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STATE CAPITOL BUILDING

Fifteenth Biennial Report

Department of Agriculture

OF THE

State of Florida

Divisions of Agriculture and Immigration

PART 1

FOR THE YEAR 1917-18

W. A. McRAE Commissioner Tallahassee, Florida



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LETTER OF TRANSMITTAL.

DEPARTMENT OF AGRICULTURE, STATE OF FLORIDA, COMMISSIONER'S OFFICE.

To His Excellency,
Sidney J. Catts,
Governor of the State of Florida:

Sir:

As provided by law, I berewith submit the Bi-ennial Report of the Department of Agriculture for the years 1917-18. The dates upon which the agricultural, horticultural live stock and industrial statistics are based cover the period from July 1, 1917, to June 30, 1918, in clusive. The Industrial Reports are for the year 1917. All other Divisions are for the two years 1917 and 1918.

Respectfully submitted,

W. A. McRAE, Commissioner of Agriculture.

PREFACE.

In the publication of a report like this, to get the best results, we find it necessary to present each hranch or division of the Department separately, treating each subject or division separate and distinct from the other. We therefore publish the report of each division under separate cover, except in the case of this volume.

In order that the public may realize the magnitude and importance of the work of the Department of Agriculture, we give below an outline of the duties of the

Commissioner of Agriculture.

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1. Division of Agriculture.

- 2. The Division of Immigration.
- 3. The Prison Division.
- 4. The Pure Food and Drngs, Stock Feed and Fertilizer Division.
 - 5. The Land Division.
 - 6. The Field Note Division.
 - 7. Shell Fish Commission.

In addition to the above the Commissioner of Agriculture is a member of the following Boards:

- 1. The Board of Commissioners of State Institu-
 - 2. The Board of Pardons.
 - 3. The Trustees of the Internal Improvement Fund.
 - 4. The Board of Drainage Commissioners.

VOLUME I DIVISION OF AGRICULTURE

DIVISION OF AGRICULTURE

By H. S. Elliot, Chief Clerk, Department of Agriculture.

Article 4, Section 26, of the Constitution, provides that "The Commissioner of Agriculture shall perform such duties in relation to Agriculture as may be prescribed by law, shall have supervision of all matters pertaining to the public lands under regulations prescribed by law, and shall keep the Bureau of Immigration. He shall also have supervision of the State Prison and shall perform such other duties as may be prescribed by law.

CHANGE IN FORM OF PRINTING REPORT.

Volume No. 1, contains the report Agriculture, and Immigration Divisions of Manufacturing Schedule one Volume-No. 2, the other four divisions being also contained in separate publications. This is made necessary by the greatly increased amount of work of the Department and to facilitate handling through the mails. If the work of all divisions of the Department were published in one book, it would be so unwieldy as to make it too heavy for mailing, as well as wasteful, because necessarily a lot of matter would have to be sent to enquirers that is not requested. A considerable saving in expense is gained by publishing the report in separate form. Copies of the reports of any one of the Divisions may be had on application.

The financial statement of the Department is also published in a separate form.

The following statements will serve to convey some idea of the work performed by this Department in connection with the discussion of the subjects that follow throughout this work.

It must be remembered that the period covered by this report was the most intensely interesting, of any in the history of America, and that conditions were rapidly and continually changing, and increases and decreases were many and varied.

Number of letters written on Agricultural, In-	
dustrial, Immigration and numerous sub-	
jects, incidental to the work of the Depart-	
ment, approximately	30,000
Number of maps distributed to applicants by	
mail for the two years 1917 and 1918	20,000
Number of pieces of mail matter containing	
printed information sent in reply to inquir-	
ies concerning the State, over	254,000
Number of Quarterly Bulletins used in Immi-	
gration work and mailed to applicants on	
request beyond the State; over	41,000
Number of Quarterly Bulletins mailed t oreg-	
ular subscribers (no subscription fee)	58,500
Number of express packages handled by this	
division	1,000
Number of packages by registered mail, over	2,000
Number of telegraph messages received and	
answered, approximately	750

Just reading over the bare statements and figures above made, conveys no conception of the vast amount of work required to properly direct and perform the duties entailed upon the office by the varied character of the demands for information.

This does not include the work of gathering and compiling the Agricultural. Industrial and other Statistics of the State, nor the preparation of the vast quantity of matter for publication in various forms with which to meet the ever increasing demand for information in a more or less detailed form, which will be found on the pages that follow. Applications on these subjects have greatly multiplied since the war closed.

GENERAL AGRICULTURAL MATTERS.

Discussion of Numerous Subjects.

By H. S. Elliot, Chief Clerk Department of Agriculture.

The progress and advancement made hy our State in the lines of agricultural and industrial development during the two years just passed has surpassed in many respects all previous years. There have heen decreases, but the increases have far outweighed the losses, and when we take into consideration the fact that within the short period covered by this report the greatest war in the world's history has been fought to a successful issue we have just cause for pride and wonderment. But we have still greater cause for wonder and admiration at the momentous results in agricultural achievement wrought by the farms of America.

In all of this great work our State did its part. In some hranches of agriculture, farmers surprised them selves at the result attained. Men for the first time took seriously to the better methods of farming and found that better farm practice meant higher production. Such crops as wheat, rye, rice were grown as never before and all other grain crops were doubled and trehled. So with sugar cane, sweet posatoes, peanuts, etc.

The war necessities as well as inducements brought home to the farmer as never before, the realization of the value of the use of scientific methods in agriculture, and this in turn taught him that with the right kind of management, there was and is practically no limit to the yielding capacity of our soils; and so we say again, that as agriculture is the oldest industry, so is farming the greatest science in the world. Yet too often have the tillers of the soil lost sight of the scientific features of farming, thereby depleting their lands through continued.

practice of worn out methods that should have been long since discarded from consideration.

A diversity of soil crops and an increase in the live stock industry to the extent that the farms are made self sustaining, will work wonders in the restoration of depleted soil conditions. It will do more—it will demonstrate beyond donbt that the only road to profitable farming lies in the diversification of crop production and the raising of live stock, and it is morally certain to create a more modern system of farm management along the lines suggested. Certain it is that, cattle and hogs or other marketable live stock are just as visible and tangible an asset as goods in the warehouses or on the trains. Credit based on cattle and hogs is fully equal to credit based on hills of lading. Also to grow live stock means success on the farm, regardless of the holl weevil, unfavorable weather or other crop failure.

Live stock means the building up of the soil and an increase in farm profits. Live stock growing will keep people on the farms, it will do more, it will enable men to become farm owners and good contented citizens, who of necessity become the implacable foe of Bolshivism, Anarchism, Socialism, I. W. W., etc., for no man with property and a family can affiliate with fanatics. Their object in life is diametrically opposite and impossible of copartnership. The one means civilization and progress, the other hell-horn destruction, misery and woe.

The growing of live stock means to live on the farm make a good home, have good schools, good roads, and productive soil. It also means raising what you feed and feeding only what you raise. It means diversified farming, the profitable kind, which brings plenty, happiness and contentment. Reverse this proposition, and we have scarce money at high interest, a struggling people with shabby homes, farms without necessary animals or proper implements, mean roads, second rate teachers, and fauatical tramps to sow the seed of Bolshevism.

Undoubtedly land ownership is the greatest safeguard of our country. The comparatively near future will almost rertainly prove it. It is the best assurance of happiness and content in mankind. It is said "That Nation which best loves the soil and which lives closest to the soil is the happiest. It was so in the beginning-it is true today." The strong time in the life of every nation has been marked by the excellence of its agriculture and the great number of men and women owning and engaged in the cultivation of the soil. This ownership question has been so clearly allied with our daily life and still hears such close relation to our very existence, that in our familiarity with the subject we have overlooked its national and political importance and have given it little serious thought. The time for this carelessness has passed. To continue this policy is to invite disaster.

The closer we are to the soil, the longer will be the generation of our people, and the strength of our institutions become unassailable. Thus the future hope of our State may safely he measured by the number of its land owners. Therefore become a soil owner. Millions of acres of eutover lands suitable for all purposes are awaiting occupancy and development. There is no better field for agricultural development than is here presented or can be found in any country. No other surpasses Florida, more than that, no other State equals it in opportanties for profitable investment, the comforts of life, health and happiness.

Therefore, let us place people on our present unoccupied lands as a guard against future evil and turn threatening conditions into a hulwark of Liberty.

Reverting to live stock, we suggest that drnft horses, including mules, be not overlooked. For years this class of stock has been of immeasurable importance to the farmer and in spite of tractors will hold their own—they are a necessity and always will be.

The day is at hand when Enropean Nations will be demanding them in large numbers. We therefore suggest that in growing of live stock for farm purposes, the draft nationals be included—Percheron horses and mules will fill the hill. Their sale in foreign countries will in the near future demand all that America can produce for many years to come.

IMMIGRATION.

A synopsis of the detailed work of this Department appears on previous pages, and indicates clearly the volume of work transacted through this Department in the work of Immigration. There is no separately established Bureau of Immigration charged with the duty of caring for the business. The Constitution requires the Commissioner of Agriculture to keep the Bureau of Immigration, but in the absence of specific clerical help, this work must be and is performed by the "clerical force of the Department of Agriculture. Additional help should be provided, and a Bureau of Immigration properly equipped and with the proper safeguards, would, we believe, be of great advantage to the State in the near future, but we want no Huns, Bolshevists, Anarchists, Socialists, I. W. W., or any of this class of people from any foreign country nor from the other states of this Union. We have one race problem on our hands, we do not want another.

A WORD OF CAUTION TO INVESTORS.

To those persons who are contemplating a removal to Florida we suggest a few words of caution, and advise them that, before they make any purchase of lands, or even enter into any contract to purchase, that they first pay a visit to Florida and make personal investigation of the lands offered them. No matter who it is that

makes the tempting offer, make them wait until either you can investigate personally or through some undoubtedly reliable source. There is no scarcity of land in Florida. Millions of acres of good lands are still here to choose from. Unless this course is pursued there can be no certainty that the interested homeseeker or investor will get what he wants. But see what is offered first, is our advice, then you will know what you are getting and your choice is likely to be satisfactory. Besides, it is due to both buyer and seller that common sense methods and proper husiness precautions are observed.

METEOROLOGICAL REPORT.

This report is one of great value as well as interest to the people of our State, and particularly useful to the thousands of persons who are contemplating a change of residence to Florida or of making investments in the State.

The weather service is, at all seasons of the year, a great protection to the farmers, vegetable and fruit growers of the State through its system of storm and temperature warnings, as well as to those engaged in ocean commerce. It is also specially worthy of publication for the history it makes relative to the meteorology of the State. It supplies information of a character that is constantly increasing in demand and which cannot well be obtained by or distributed to those wanting such information as when given publication in our official reports. The report for 1915 follows the Agricultural Statistical Report for 1917-1918 further on in this work.



Orange Grove.

FLORIDA-A LAND OF OPPORTUNITIES.

It is said that opportunity knocks at the door of every man once, but if not seized upon immediately passes on and is known no more.

An old adage also says that there are exceptions in all cases, therefore I shall briefly attempt to point the exception in the case, as it relates to Florida.

GEOGRAPHICAL POSITION

From its geographical position being in the same latitude as the Northern half of Mexico and Southern China, it is natural to suppose that the climate is hot, but its comparative degree of heat is not accurately indicated by its latitude, because the temperatures that might be expected from its geographical position are controlled in great measure hy its peculiar shape, hringing the whole surface in close proximity to the ocean currents, which influence to a great degree, its entire climatic conditions. The narrowness of the State and its consequent exposure to the fructifying influence of the halmy ocean winds, produces a pleasantness and salnbrity of climate, and a power of vegetable production truly wonderful.

Throughout the history of the world, experience has invariably shown those countries blessed with water facilities for travel, transportation and commerce, to be the ones which accumulated the greatest wealth; were prosperous and progressive. Florida has these facilities to a greater extent than any other State, for practically all her, territory is in close touch with the commerce of the ocean, through her harbors, where her products may be transported to other climes or exchanged for wares from other parts of the world.

CLIMATE

Climate, taken in its general sense, indicates all the changes in the atmosphere that sensibly affect our organs, as temperature, humidity, fluctuation of barometer, pressure, quietness of the atmosphere, winds, direction, forces and action, purity of the atmosphere and its admixture with vapor, or noxions exhalations of gaseons matter, transparency and clearness of sky in its relations to radiation of heat, to the organic development of plants, etc., also with reference to its influence on the feelings and mental condition of mankind.

In relation to these manifold elements of climate, Florida occupies a most favorable position, for the modifying influences in operation have produced a climate, that for equability has few if any equals, and no superior. As regards temperature, continued observations in various, parts of the State show that it is not excessive in either extreme during the entire year, the rauge between winter and summer temperature being only about 20 degrees. The annual mean is about 70 degrees; that of spring about 71 degrees; summer, 80 degrees; autumn, 71 degrees; winter, 60 degrees.

The main portion of the area of the State is peninsula in character and stretches away south to the borders of the Torrid Zone. If we divide the peninsula at the 28th degree of latitude, in two parts, by a line across the State, east and west, we find that the difference between the summer and winter temperature is less south, than north of that line. This is owing to the snn imparting to southern latitudes less heat in summer and more in winter than to those further north.

Also, since the temperature falls as distance from the Equator increases, one degree of depression to every added degree of latitude, and since moreover, the thermometer falls one degree for every 300 feet in altitude, and Florida being so near the Equator, and so little

ahove sea level, is likely to be thought a very hot country. Other causes also conspire to give Florida a climate remarkable for its equability—so far as temperature is concerned. There are many rivers and smaller streams which course the surface; also innumerable lakes, many of which are large, and of great depth.

The evaporation from these streams and lakes, and from the Gulf of Mexico on one side, and the Atlantic Ocean on the other, rapidly absorbs and dispels the heat of the sun, just as rain upon the hot ground absorbs the heat and cools the atmosphere; this process is quite rapid. because as the vapor rises, absorbing all the heat it can possibly contain, the oceanic breezes waft it away and supply other atmosphere to absorb more vapor in its turn, thus performing the same office in the cooling process. Thus, the truth is demonstrated that the thermometer rises higher in the latitudes of New York, and Boston, or St. Paul, than in Florida; this holds good in any comparison made between Florida and any State lying north of it.

Another point to be considered when looking for the causes of higher temperature in states north of this, is the fact that the days in summer are longer as we go northward, and the nights are shorter; consequently there is less time for throwing off or radiating the heat from that the sun that accumulates during the day.

Soils.

The soils of Florida may be said to belong to the Coastal Plain and therefore are more or less alluvial in their nature, and are of the sandy and clay loams in classification

They are locally classified as first, second, and third rate pine lands, and high hammock, low hammock, swamp, and prairie lands. These designations are given them hecause of the character of the timber and other plant

growth; as also soil conditions. Some require drainage of course; others do not; but it is their alluvial nature that adds to their fertility and productivity. The soils of the Coastal Plain are the most fertile and productive in the eastern U. S., with few exceptions, and it is here that Nature steps in and with lavish hand, makes possible with unlimited opportunities the enjoyment, occupation, and welfare of the human race.

The hestowal of these gifts upon man was as a blessing from high Heaven, sent by an all-wise Providence for the purpose of ameliorating the worldly condition of mankind. There is but one Florida.

Know ye the land of the cedar and vine, Where the owers ever blossom and the heams ever shine?

Where the light wings of Zephyr, oppressed with perfume, Wax faint o'er the groves of the citrus in bloom?

Where the orange and citron are fairest of fruit, And the voice of the mocking-bird never is mute?

'Tis the clime of the East—'tis the land of the sun!
'Tis Florida, the fabled land of song and story, the .
"Eden" of Atlantis, the gem of America, the flower of the Southland!

Her climate offers health and happiness to all classes of humanity, the rich and the poor alike, and with it the opportunity for personal and industrial independence. In no other clime in all the world has Nature hestowed upon her people with such lavish hand her choicest gifts. Nowhere clse in the world are the fructifying rays of the sunshine and the rain so evenly distributed throughout the seasons of the year.

Florida's climate must be recognized as one of the Almighty's greatest gifts to the State of greatest opportunities; its sunshine is more valuable in the laboratory

of nature than all the gold ever dreamed of hy the alchemists of old. It is the magician of the fields, the orchards, the groves, the forests, and the maintenance of all life.

In winter it ripens the golden fruits; in spring it makes possible the condition that transforms Florida into a veritable cornucopia overflowing with all the delicacies of a fertile, productive soil. Nor are we confined alone to the untive products, for on every hand are seen exotics of the far East; fruits and plants of the temperate zone; of the tropics and semi-tropics of both hemispheres.

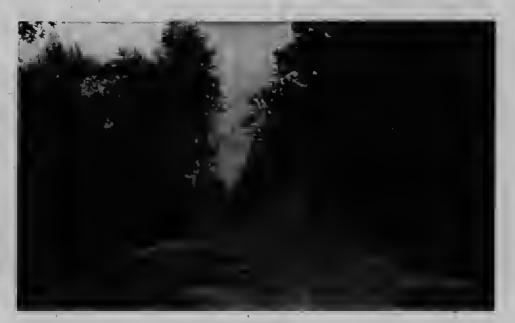
GEOGRAPHICAL POSITION-COMMERCIAL

In its geographical position with regard to her future possibilities for ocean commerce, no state in the South cnn equal, and no state in the Union surpass her, in these facilities.

There are not less than nine spacions harbors of the first class; as many more of the second class; and innumerable smaller harbors—nll capable of caring for thonsands of vessels aggregating millions of tonnage through all seasons of the year. These facilities offer Opportunities without limit to ocean traffic with all countries of the world.

Our harhors are necessible at all seasons of the year: no "Titanic" disasters are possible, and our routes of sailings are as direct as from the ports of any state, or states, on the Atlantic or the Gulf, whether to the conntries of the East, West, or Sonth, as the case may be.

With shiphuilding industry, as it is, being fostered at numerous points in the State, every harhor offers hundreds of opportunities for either foreign or coastwise trade. Florida should control vast amounts of trade with the countries to the South. Our harhors and interior facilities make this entirely possible. These won-



Dixle Highway.

derful Opportunities are within our grasp today. Shall we seize them? Or shall we let them pass to others while we look on passively?

Let us not forget that the records of the world's his tory shows that the countries which have dominated the peoples of the earth and their destinics have been, and are today, the maritime nations. The people who put all their faith and works in the land alone can never lead; they can only follow. Therefore they play a minor part in the affairs of the world. Let us wake up to our opportunities, for they are endless.

OTHER OPPORTUNITIES

In this connection some comparisons of the present with the past may be of interest—going no further back than 1880, about the time when Florida began to attract attention, though in a small way and chiefly because of her climate.

In 1880 the United States census gave Florida a population of 269,493; in 1915 the State census, which is the latest one, gave her 921,618, or an increase of practically 400%.

INDUSTRIAL

(All quotations from census in this article are for the year 1880, U. S., and 1915, State.)

In 1880 there were but 426 manufacturing establishments of all kinds in Florida; in 1915 these were increased to 5,175. In 1880 capital invested was \$3,725,000; in 1915, \$67,611,774. In 1880 wage earners employed numbered 5,504; 1915, 64,235. In 1880 amount of wages paid these people was \$1,270,875; in 1915, \$29,653,734. In 1880 value of products of these establishments was \$5,546,448; in 1915, \$68,668,656. Note that the values here given are exclusive of the cost of production.

Here are opportunities without limit for any man or number of men, for there can be no limit to the wealth of a manufacturing community when it can and does produce the commodities in demand by the public. That this State can supply all demands is but a question of effort; she has the timber resources surpassing any other State; she leads in all classes of timber, having over 247 distinct varieties of timber adapted to commercial purposes and the number of varieties would reach near 300 if all were included.

Nor is this all industrially; it is well known that Florida is rich in fiber plants exclusive of cotton. There are over 20 distinct fiber plants of real commercial merit that thrive in the several sections of the State to which each is hest adapted. In these products there are opportunities at least equal to those offered in Mexico and Central America.

The growing of fiber plants and their manufacture into cordage should be done in Florida; the time is near when the demand will far exceed the supply; our hinder twine for harvesting purposes; rope for marine purposes; fiber for the various qualities of bagging, and other coarse cloths are in growing demand, but unavailable in necessary quantities. Truly, industrial art is the handmaid of agriculture.

AGRICULTURE

Agriculture in its several branches probably offers to the average man the greatest opportunities. This is judicated by a comparison of its more recent development with the past.

It is not generally realized even by our own people that Florida leads all other states in the number each of the three classes of soil products considered essential to the welfare, happiness, and prosperity of each man, but it is nevertheless true; these classes are, First: what

is known and designated by the trades as standard crops of which there are 30 distinct kinds used as food for man and feed for live stock.

Second: There are twenty five varieties of vegetables used by man and domestic animals as food, and as staple commercial products, and always in demand.

Third: There are more than twenty varieties of fruits each in demand in its season in the markets of the world. Here then we have nearly one hundred soil products, which cover the whole range of food for man and beast. For every item that goes to make up each of these several classes of products, there are many opportunities; for every product will be better for higher development in the utilization of opportunity.

But here is the widence: note the contrast. In 1880 there were 23,438 farms in the State of all sizes, valued at \$20,291,835; in 1915 the 55,000 farms were valued at \$188,300,000.

The value of standard crops in 1880 was \$5,430,393, and in 1915 their value was \$21,613,300.

In 1880 there were no vegetable crops grown for commerce, but in 1915 the vegetable crops were valued at \$10,724,519.

In 1880, the fruit crops were valued at only \$285,356, and in 1915 they were valued at \$13,511,950.

In 1880, the live stock on these farms and the ranges, was valued at \$5,358,980, and in 1915 it was valued at \$29.869,842. In 1880, the total dairy products of the State were valued at \$99,137, while in 1915 they were valued at \$3,881,462. And so the contrast grows; and with it grow the opportunities in every case.

Divide these items into separate units and in every one a multitude of opportunities present themselves. The ability to choose and the will to direct the effort, will bring success as a reward.

But this is not all that knocks at the door of oppor-

tunity in Florida and that waits on clear heads and willing bands for profitable development.

There were no phosphates, Fuller's earth, kaolin, etc., known to exist in Florida in 1880; but since 1890 the discovery of these minerals has yielded approximately \$217,843,143, and opportunities for further discovery are by no means exhausted

Through her phosphate deposits, the greatest in the world, Florida has and is today supplying the world with a fertilizing material that is essential to successful agricultural development in every land.

FISHERIES

There is perhaps no single industry in Florida of such vast economic importance and one that offers greater opportunities, for profitable investment than fisheries. With approximately 1,200 miles of sea coast, and innumerable bays, lagoons and other water courses filled with fish of almost every kind, Florida possesses natural advantages to a greater degree than is enjoyed by any other State.

The varieties so far enumerated show 34 distinct kinds of food fish in Atlantic waters, and 54 in the Gulf of Mexico. In addition there are 14 kinds of shell fish fit for human consumption. These lists do not include a number of large, deep sea fish only recently declared to be edible by the U. S. Government, and while I can say little for the eating qualities of these fish, they can and should fill a place in commerce as important and valuable material in the manufacture of oil and fertilizer products. In this industry then there are also opportunities for most profitable employment of both capital and labor—opportunities as yet neglected and unappreciated except in a limited way.

CONCLUSION

"There is a tide in the affairs of men, Which taken at the flood, Leads on to Fortune."

In conclusion, we have no besitation in claiming that there is no section of this country with resources so varied, none presenting such a field for new and promising enterprises, none that offers to the rich and poor alike the gifts of nature in such lavish form, as Florida; hecause we base that assertion npon firmly established facts.

We claim that Florida is the healthiest State within the U. S. and we have the proof that it is so; we have asserted that the climate of Florida is unsurpassed by that of any country on this globe, and we have given the scientific reasons for saying it. We have described the character of our soils, and given the reason of their fertility, and their veculiar features, which make them lasting and valuable over all others; we have offered a list of the products of these soils and shown their adaptability to conditions, and their value from a pecuniary standpoint based on results: in the timber resources of the State we bave shown that onr State stands without a peer on this continent in the value and varieties of timber for economic purpose. We have shown the almost unlimited possibilities of Florida in an agricultural, horticultural, and industrial sense, and the open road to wealth that lies before the industrious farmer and live stock grower, and we have submitted the proofs. We have shown in a manner that leaves no room for doubt the wonderful future that lies before our State in a commercial respect; and with a railway already stretching away to the southermost end of the State and Continent overseas, connecting with the "Gem of the Antilles;" and when the waterways of the State now in construction,

are completed; when a system of commercial intercourse and trade is established with our Sister Republics to the south of us; then, will the great stream of traffic flowing down from the almost limitless interior, seeking an outlet to these new-world markets in other lands, tax our harbors to the utmost. Then will our claim of boundless opportunities be substantiated.

. Further we will have shown in connection with this possible commerce system, the unequaled inducements and opportunities for the establishment and successful operation of countless manufacturing industries.

Florida is in very truth a Land of Opportunities, where all who are honest and energetic can make life a success.

Particularly is this applicable to the younger generation of men, also "That in the bright lexicon of youth there is no such word as fail." Opportunity is inviting your acceptance; but he who hesitates will lose.

Again we say to such people the fertile soils of Florida offer unparalleled opportunity. These are the people to succeed; accustomed to the problems of soil work, they are the men who can utilize the forces of pature and make them yield obedience to their will. Men possessed of willing hands, resolute hearts, and level heads, were never presented with a finer field for occupancy than Florida. It is a field boundless with the best elements of wealth and substantial enjoyment. It has an endless quantity of raw material of every sort, and rich productive soil, apon which all the fruits, all the crops, and all the animals necessary for man's subsistence, comfort, and convenience can be cultivated and propagated; and withal a climate that brings back to the pallid cheek the glow of health; to the listless eve the sparkle of new life; transforms the careworn frame to one of reanimated nature: brings rest to the wearied mind; and takes from the memory of adversity the sting of distress.

THE HOME GARDEN AND ITS ADVANTAGES

(By W. A. McRae, Commissioner of Agriculture.)

In 1916 I gave to the press of the State an article entitled, "Why Not the State Beantiful?"

In this article I stated, among other things:

"Florida is rich in its variety of trees, shruhs, vines, ferns, herbs, sedges, grasses and mosses. No State in the Union equals it in floral wealth.

"Many of our trees, sbruhs and plants bear flowers, glorious in color and fragrance, each month and season having its share, making a constant procession of floral beauties along the path of the year.

"In the winter season when the rivers and lakes of the North are covered with thick ice and the ground hlanketed with snow, the Wistaria vine in Florida clambers over our porches and trees and freights them with masses of pennants bewildering in number and beauty. And roses, too, of infinite number, sizes and color, are in hloom at Christmas time—if they are given a chance to grow. And it's in the winter, too, that the orange tree is in height of bloom and fills the air with indescribable fragrance.

"Then, in turn, comes the oleander and then the magnolia, with a hlossom having no rival for splendor among the trees of America, accompanied by its prototype—smaller but no less beantiful—the cape jasmine, and just at this time the crepe myrtle shruh is a vision—each a massive bouquet.

"Florida has over two hundred kinds of decidnous green trees of commercial ntility—many more than any other State—and countless shruhs and vines, with herhs conspicuous when in bloom, hat very inconspicuous or practically invisible at other times.

"There are trees growing in Florida not known to bot anists anywhere else in the world, and found native only on the east side of the Apalachicola river. These are the Torryea taxifolium, or stinking cedar—and Taxus Floridania, both very attractive evergreens. A fine specimen of the first named is to be seen on the grounds of the State Capitol at Tallahassee and in several of the parks of Jacksonville.

"Besides the native flora of the State, ranging from lichens to palms and mammoth cypress and oak trees, there will be found great areas greatly modified by civilization, such as new and old fields, roadsides, doorvards and railroad rights of way. Some of these minute but charming creatures of nature in their struggle to reach out to the skies for 'a place in the sun' for their share in the air, not only that they may thrive and silently teach the lesson of the beautiful but to tempt man to utilize them, are native varieties which and other branches of tree and plant life. Let us make Florida the 'State Beautiful.'

"Where the birds sing sweetly."
—(even at night);

"And the flowers ever bloom."
—(and in plenty);

"Where the roses and the orange"
—(none finer);

"Send out rarest of perfume."

"Everyhody can help. The federation of women's clubs is doing a notable work, setting an example for the men folks, in promoting the science of forestry, and beauty. Among its achievements is the creation of what is known as the Royal Palms State Park, an estate of some 2,000 acres in Dade County, southwest of Florida City, containing perhaps the finest collection of royal palms, some of them a hundred feet high—to be found in this country, besides fifty or more varieties of other semi-tropical trees, in all a veritable wonderland. It is planned to make it a game reserve and a bird sanctuary, and many kinds of birds are already under protection.

"Not only has this federation established a wonderful park, but it has been active in every direction in the matter of beantifying the State, a work which has foundation in doing the small duties about us. Let me quote from a circular sent out at the beginning of the year by the civics department to all members in which the following duties were sugested:

"1. Observe Statewide clean-up week—April 10-15, and October 9-14. (Why not clean up every day a little of the time)?

"2. Destroy breeding places for flies and mosquitoes.

"3. Give special attention to colored districts.

"4. Inspect markets, fruit and grocery stores.

"5. Beautify school and railroad station grounds.

. "6. Fight unsightly billboards and street scattering of advertising matter.

"7. If you have no junior civic league, organize one and have the members plant seed. Mrs. J. W. Sample, of Bartow, Fla., is chairman; write her for information.

"8. Post the enclosed card in every school house.

"9. Progress calls for community civics taught as a text in the public schools. Have your civics chairman interest school authorities in this very important work. Along with this introduction comes humane work, both for the protection of children and animals.

"10. Take pictures of unsightly places that may be beautified or improved, and at the end of the federation

year take another one showing improvement.

"11. Let everybody in Florida co-operate and work to make Florida worthy of the name, 'Land of Flowers,' by planting and beautifying.

"As your community, so your State.

"Getting down to brass tacks, as Kipling says:

"It isn't the guns nor armament nor funds that they can pay,

But the close co-operation that made them win the day.



Multiplying Sunflower.

It isn't the individual, nor the army as a whole,

"But the everlasting team work of every bloomin' soul."

The article above referred to was very generously published by the press of the State, and many favorable comments were made, and the Department of Agriculture was signally honored by its appearance as the leading article in the publication of the Federation of Women's Clubs.

When the Great World War brought strikingly home to us the fact that we should all do our part in every way we could, and that the "home garden" was a necessity, I did all that I could by writing and speaking to urge our people to greater activity along this line, and I fairly believe the number of home gardens increased a thonsand fold in this State during the four years of the World War.

The year 1918 was not, on the whole, a good garden year, but I made a large quantity of vegetables from the small space I could use for the garden, and in every nook and corner of the yard I had something growing, either vegetables for the table or flowers, to add beauty, where weeds and grass might otherwise grow.

Following up the idea of the home garden, I have written the following article, illustrated, and this will become a feature of future reports:

THE GARDEN AND ITS ADVANTAGES

When God made man he was placed in a garden to cultivate and keep it. The garden was well filled with trees hearing fruit, and intermingled were many humbler plants, each playing its part in supplying the occupants with things for their sustenance and comfort.

The first man neglected his opportunities and all along the centuries to the present hour men have ignored the early command of the creator to make a garden and keep it.



Fruits of the Garden.

If there is a State in the Union where the garden can be made to yield something for the use of man in every month of the twelve it is in Florida. The absence of the garden in town and country in our State or the poorly cared for ones, is evidence that a good many people are disobeying one of the original and fundamental requirements placed upon man by the Maker of the Earth.

The garden was the starting point in the history of man, not a saw mill, nor factory, nor store, nor office. These were after thoughts or adjuncts, and now necessary, but they could not exist without the products of the garden, field and grove. The land is the original source of wealth. The possibilities of a plat of fertile land are snprising when it is properly cultivated. Tons of food can be produced on a single acre. To show what can be grown it is known that 43,000 plants set 1 foot by 1 foot can be accommodated with room for full development.

- 2 feet by 2 feet will grow 18,800 plants.
- 3 feet hy 3 feet will grow 4,800 plants.
- 3 feet by 4 feet will grow 3,600 plants.
- 4 feet by 4 feet will grow 2,700 plants.
- 5 feet by 5 feet will grow 1,700 plants.
- 6 feet by 6 feet will grow 1,200 plants.

Gardening was given a great impetus during the trying period of the war as a patriotic measure, but the world is not at ease and it will be a long time before normal conditions can be realized. There is still need of gardening, the world is still hungry. The ability to make gardens successfully means efficient food production, and on efficient food production, naturally and inevitably depends the natural comfort and welfare.

Good seed is just as essential in the garden for vegetables as in the field for cereals and cotton. Some folks disregard this fact, and the result is poor or indifferent crops. They act as if nothing was to be gained in seed selection. If that is so, then all cattle are cattle regardless of hreeding and feeding. The Shorthorn, Jersey,



Okra Garden.

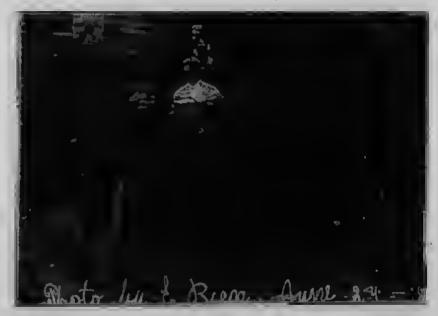
Hereford and the Scrub are all the same. This is also true of the hog. The Duroc, Berkshire, Poland China and the razorback would be the same. No one believes this, and yet in the matter of seed many persons are indifferent. The same law of nature holds true in plant life as in animal life. Like produces like.

Our children should be taught the beauties and attractions of the plant creation. No State in the Union equals Florida in its variety of trees, shrubs, vines, ferns, herbs, hedges, grasses and mosses. If we hope to keep our children at home on the farm the home place must be made charming with flower beds and gardens to supply ample and proper food. It has been said that "in the homes of America are born the children of America, and from them go out into American life, American men and women. They go out with the stamp of these homes upon them; and only as their homes are what they should be will our children be what they should be."

The farm and garden can be made to supply food. The meat, milk, eggs and corn of the farm acres and garden vegetables provide every form of nourishment and mineral needed for a perfect body and continued health and vigor.

Startling information came in 1917, when it was shown that more than one-third of the country's young manhood, examined under the selective draft, was rejected for physical unsoundness. Could this have happened if the children had entered manhood in proper condition? If the foundation is not made at home the structure is weak and fails. Good nourishing food and sane regulations in bringing up children in ontdoor living and activities would not have shown so many stunted, slouching, stooping, crooked and awkward men. One young man unfit in every three in this the greatest nation on earth cannot be other than a matter of concern.

No one with a plot of ground in a town should think



Kentucky Wonder Beans.

that the time and labor given to it in growing vegetables is lost. The same is true of the farm, where the gurden can be made the most profitable acre. Vegetables are cheaper and better than fat pork and canned stuff as a regular diet for both children and adults.

Florida, as is known, is one State in which vegetables and fruits of one kind or the other can be had all along the processes of the months. It is only a question of foresight and judgment. No one should depend on one planting of snap beans, radisbes, lettnce, sweet corn, etc., but continue at intervals of several weeks apart, so that vegetables can be had fresh, crisp and tender throughout the entire growing season.

Every garden, too, should have a few berries, but it is an exception to find strawberries or blackberries growing on Florida gardens. This form of fruit is not only a most bealthful addition to the table when picked ripe from the bushes, but it can be preserved in many appetizing ways. And no garden should be without a fig tree, a fruit as delicious and seviceable now as it was in ancient times, and no other fruit is more frequently mentioned in the Bible.

Nursery and seed catalogues are available to every one, and nearly all of them supply practical information, which applied with good judgment cannot help but serve a good purpose.

One kind of garden not as general as it should be and most desirable, is the school garden, to which the too often neglected and unsightly "yard' might be devoted. Agriculture is always to be the chief industry of Florida. The children should be early taught the importance of plant life and its wonders. Gardening has been advocated in all ages as being of the highest economic and natural importance. Working in the garden gives needed physical exercise to aduts of the home, as well as the children. With a reasonable supply of tools the labor need not be irksome. Killing weeds should begin just



Squaeh Garden.

as soon as it is possible to tell plants and weeds apart, and be continued until the vegetables are strong enough to assert their individuality and crowd out the weeds. The work will not be hard if done regularly.

The growing of flowers should be encouraged, but not at the expense of vegetables. In regard to both flowers and vegetables those promising best returns at least risk should be selected. A bouquet on the table from the garden in connection with the vegetables appetizingly and properly prepared adds to the attractiveness of the display of tempting and savory foods.

The school garden could be made of inestimable value to children when managed and conducted in a spirit to encourage competitive interest wherein each participant can have part in a garden fair, to be followed by a sale. Talks can be made on soils, seed selection, planting, cultivation, weeds, insects, birds and the many related features of the work, all necessary facts in the beginning of the business career of the young people of au agricultural State.

To encourage peraistent and uniform effort garden photographs may be taken and records kept of the progress made, all of which is part and parcel of any systematic effort.

Accompanying this article will be found a series of photographs made of various features of the garden cultivated mornings and evenings by the Commissioner of Agriculture at his home in Tallahassee. Most of the products in this garden were transplanted from little seed boxes, miniature substitutes for hot houses. These garden plots, which otherwise would have remained vacant and served no purpose, were made really profitable sources of a most excellent food supply—tomatoes, beans, lettuce, okra and many other vegetables, the cost of which bought in the market would have run into a considerable sum of money. There was with it all, besides healthy



State Farm, Raiford.

exercise, the pleasure of planting the seeds, uoticing the struggles of the tiny plants to break through the soil for a place in the sunlight and finally towering high into the air gave freely of fruitage for family use.

FEEDING DAIRY COWS

(A Compilation of Information on this Topic by H. S. Elliott, Chief Clerk Degartment of Agriculture.)

Successful feeding of dairy cows from an economic standpoint involves the providing of an abundant supply of palatable, nutritions feed, at the minimum cost per unit of feed, and supplying it to the cow in such way as to secure the largest production for feed consumed. This bulletin suggests some factors involved in the economical selection of feeds to gulde the producer in supplying them to the cows.

LIBERAL FEEDING NECESSARY FOR PROFIT

The dairy cow has been likened by many writers to a machine or a manufacturing plant. This comparison can be applied literally, with certain reservations. A certain proportion of the power furnished any machine is used for running the machine itself and is not in any vense productive. In a steam engine this is represented in the exhaust steam, in heat which escapes without producing steam, and in the friction of the working parts of the engine. In the manufacturing plant it is represented by the managerial, the clerical, and sales forces. These forces, while necessary for the successful operation of the hasiness, are, in a sense, unproductive.

In the feeding of the dairy cow this overhead expense, this unproductive force, is termed the "maintenance ration," and is that portion of the feed given the cow which is used hy her to perform her own functions, such as heating the body, pumping the blood, digesting the feed.



Sorghum Waiting at 8110 to be Cut-Anthony Farms.

and moving the body from place to place. This feed, from a productive standpoint, is entirely lost to the farmer. The cow can produce without loss of body weight only after she has exacted this toll of maintenance. Having received feed enough to maintain her, practically all the feed she consumes above this can be used for milk production. This maintenance ration is a fixed charge, and the more feed a cow can consume above that required for maintenance the greater the amount available for production.

Feeding for profit can, therefore, be defined as liberal feeding, to the full capacity of the cow. This point is illustrated by Table 1. (These figures are only approximate but will serve to illustrate the point.)

Table 1. Approximate proportions of cows' feed required for maintenance and available for milk production.

Cust of ration.	Cost of mainle- nance	Available for milk production,	Proportion of ration available for produc- tion.
Centa,	Cents.	Cents.	
15 20 25	10 10 10	5 10 15	One-third. One-balf. Three-fifths.

It will he noted in Table 1 that when the cow is fed only a maintenance ration no feed is available for milk production; when she is fed twice this quantity, half the feed can be used for milk production; when she is fed two and a balf times the maintenance, three-fifths of the feed can be so used. One of the most common mistakes in the feeding of dairy cattle on our farms is that the good cows are not fed a sufficient quantity of feed above that required for maintenance. This is especially true of the highly specialized dairy cow; that is, the cow which when fed all she will take makes it all into milk

except what is needed for maintenance. It is, however, unfortunately true that all cows in the dairies of the. country are not this kind. Some cows when fresh make all the feed above maintenance into milk for a period of several months before they begin to lay on flesh; others, if fed heavily, begin to gain in weight soon after freshening. From the standpoint of economical milk production one can not generally afford to give a dairy cow more than she will consume without gaining in weight. There are times, however, when it is desirable to make exceptions to this rule; for example, practically all highly specialized milk producers in the early part of the lactation period lose in weight; that is, they produce milk at the expense of their own hody flesh. When such cows approach the end of their milking period they normally regain the flesh they have lost in the early part of this period. The feeder can, therefore, well afford to feed such cows liberally, being assured that the feed will be returned to him in the form of milk when the cows again freshen.

SUMMER FEEDING

The problems involved in winter and summer feeding are so different as to make a natural division between the two. Summer feeding ordinarily consists in the use of pastures or soiling crops. These may be supplemented when necessary by silage or other roughage or by grain. When dry feeds alone are fed in the summer, the problems are not materially different from winter feeding.

PASTURE

Pasture is the natural feed for dairy cows, and in many respects the best. With abundance of good grasses in fresh, succellent condition, we have one of the rations most conducive to heavy production. Even with the very best of pasture, however, a cow can not be forced to max-

imum production on it alone. This is owing to the fact · that for the greatest production she must be induced to take a large amount of untrients. The bulky nature of pasture grass places a positive limit upon the capacity of the cow to take feed. In other words, the cow's stomach can not contain grass enough to supply the required nutrients for maximum milk production; therefore a part of the ration should be of a more concentrated nature. Good pasture contains an ahundant supply of succellent, palatable, and antritions grasses. On such pasture it should be possible for a cow to satisfy her appetite with a few honrs' grazing. Pasture of this kind will supply all the food material needed for medium production and a large part of that necessary for large production. For average conditions, with ample pasture of good grasses or legumes in good, succulent condition, good production can he secured. The economy of the use of pasture depends chiefly upon several factors, such as the price of laud, the price of labor, and the lay of the land.



Holstein-Jersey Steere, Three Years Old. Weight Average, 1,360 Pounds. Raised on Skim Mik.

PRICE OF LAND

The price of land has a direct bearing upon the cost of pasture and is an important factor where land values are high. If pasture is to be depended upon entirely for from four to six months in the year, and production is to be kept up to a profitable standard, anywhere from 1 to 4 acres or more must be provided for each cow. This is assuming that in permanent pacture there is a good, clean turf, with little or no waste places, and that for temporary pasture there is a good stand of grass or legumes throughout. Land which will give these conditions frequently sells at from \$50 to \$300 an acre, and the interest on the investment must necessarily also vary widely, as is shown in Tables 2 and 3:

Table No. 2—Interest on cost of pasture per cow for the season; interest at 6 per cent on the value of the land, allowing from 1 to 4 acres per cow.

A cres	. Value of land per acre.				
cow.	专业部	\$50	\$100	\$150	\$200
1 1 1/4 2 1/4 3 1/4 3 1/4	\$1,50 2,95 3.00 3.75 4.50 5.25 6.00	\$3,00 4.50 6.00 7,50 9,00 10.50	\$6,00 9,00 12,00 15,00 18,00 21,00 24,00	\$0,00 13.50 18.60 22,50 27,00 31.50 36,00	\$12,00 18,00 24,00 30,00 36,00 42,00 45,00

Table No. 3—Cost of pasture per cow per day on basis of Table No. 2, with a pasture season of 150 days.

	Value of land per acre.				
Acres per cow.	\$25	\$50	\$100	\$150	\$200
1 1 1/4	Cents. 1 114 2	Centa.	Cents.	Cents. 6 9 12	Centa. 8 12 16
344 344 44	21/4 31/4	5 6 7 8	10 12 14 16	15 18 21 24	20 24 28 32

It will be seen that the price of land may readily become so high that it would be unprofitable to graze it. In many sections of the country a cow can be fed for average production for about 20 cents a day. Therefore, when the daily rental or interest on the value of pasture approaches that sum the farmer should carefully consider other methods of summer feeding.

The cost of caring for permanent pastures must also be taken into consideration. This will consist in the expense of cutting weeds, building and repairing fences, etc.

PRICE OF LABOR

The pasture system of summer feeding reduces to the minimum the amount of labor required to handle a given unmber of cows, and, therefore, it is especially adapted to conditions where labor is high.

LAV OF LAND AND ROUGHNESS OF SURFACE

In mountainous or hilly sections of the country there is often a part of the farm which, on account of steepness, tendency to wash, or the presence of rock formation near the surface, can not or should not be plowed frequently.

On such farms it is often best to plow only the bottoms, keeping the uplands in permanent pastures. The dairyman will find ready application of the pasture system for summer feeding on such farms.



Stock-Feeding Shed, State Farm, Raiford.

PASTURE WITH SUPPLEMENTS

GRAIN,

As has been said, the supplementing of pastures with grain is sometimes advisable, even when the pastures are of the best. In many sections, however, pastures are never of the best kind, and in no sections are they always in the best condition. It is evident, therefore, that the commercial dairyman will a dom depend upon pasture alone. Grain should be fed to heavy-producing cows under all pasture conditions.

Prof. C. H. Eckles, of the University of Missouri, suggests the following-named quantities of grain with abun dant pasture for varying production:

Jersey cow producing-

20 pounds of mill	daily	3 pounds of grain.
25 pounds of mill	k daily 4	4 pounds of grain.
30 pounds of mil	k daily (pounds of grain.
35 pounds of mill	k daily 8	8 pounds of grain.
40 pounds of mill	ε daily 10	pounds of grain.
lolstein-Friesian o	Ayrshire cow pro	ducing—

tolstein-Friesian or	Ayranire cow p	rouncing—	
25 pounds of milk	daily	3 pounds of	f graiu.
30 ponnds of milk	daily	5 pounds of	f grain.
35 pounds of milk	daily	7 pounds of	f grain.
40 pounds of milk	daily	9 pounds of	f grain.
50 pounds of milk	daily	10 pounds of	f grain.

While this is, of course, an arbitrary rule and variations should be made to suit different conditions and individual cows, it is in accord with good feeding practice and probably is as good a rule of its kind as has been formulated.

For cows of medium production it is usually more economical to feed silage or some green crop rather than grain for supplementing short pasturage. In supplementing pasture with grain it should be remembered that the percentage of protein in the grain ration need not be the same as for winter feeding. Good pasture is an approximately balanced ration. The grain ration to be fed with pasture grass should, therefore, have approximately the same proportion of protein to other nutrients. In the case of extra-heavy producers the percentage of protein in the grain mixture should be somewhat greater.

The following named mixtures are suggested for supplementing pasture without other roughage:

Mixture No. 1:

Grounds oats 100 pounds
Wheat bran 100 pounds
Corn meal 50 pounds

Mixture No. 2:

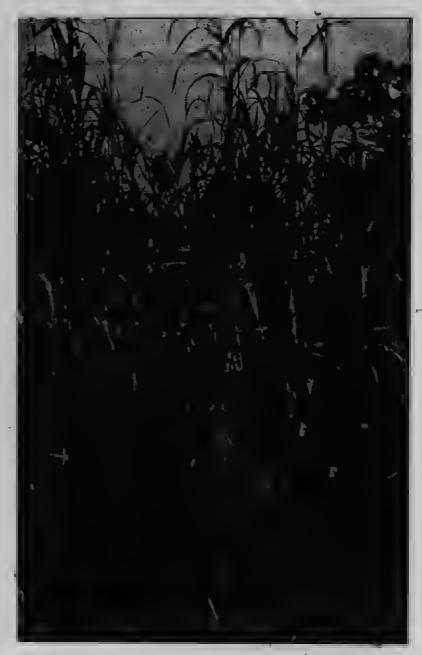
Wheat bran 100 pounds Corn meet 100 pounds Cottonseed meal 25 pounds

Mixture No. 3:

Corn-and-cob meal ... 250 pounds ... Cottonseed meal 100 pounds Per cent digestible protein, 15.5.

Mixture No. 4:

Wheat bran 100 pounds
Gluten feed 50 pounds
Corn meal 50 pounds



Field of Millet.

SOILING CROPS

Pastures, except where irrigation is practiced, are so dependent upon rainfall that there is practically sure to he some period each season when they are short. It is a well-known fact among dairymen that if a cow, for lack of proper feed, falls off in her flow of milk for any period of time it is difficult or impossible to bring her back to a full flow until she again freshens. To carry the cows over this period on grain alone is expensive; consequently, the supplementing of pasture with soiling crops is becoming much more common and is growing in favor. In fact, in many sections it is extremely difficult to keep a herd in maximum production throughout the summer without furnishing some supplemental feed. Unless an abundance of pasture is available, there is practically sing to be a shortage toward the end of the season. Special-crops can be grown for these shortages, but they usually involve added expense and inconvenience compared with standard farm crops: Second-growth red clover, oats, peas, or alfalfa are excellent. Corn is available in August and September. These crops are usually a part of the regular cropping system of a well-conducted dairy farm.

The advantages of soiling crops as a supplement to pasture are that large quantities of forage can be grown on a relatively small area, because it is frequently possible to harvest more than one crop in a season on land used for soiling. Another advantage is the palatability and succellence possessed by such crops. With their use pasture need not be crapped so closely and less feed is wasted through tramping by the cattle. By judicious application of the soiling system it is often possible to reduce the acreage of land used for pasture, which in addition to the saving in land required for pasture has the added saving in the cost of fencing. Soiling crops

usually are fed in the stable where the manure can be saved for application on cultivated fields.

An objection which can be urged against the use of soiling crops is the greater amount of labor required and the difficulty in using this labor to the best advantage. Another difficulty is to plan a succession of special crops which will at all times during the season supply an abundant supplementary feed. Even with the best arranged plau, its success depends very largely upon weather conditions.



Stock Feeding, State Farm, Ralford.

THE SUMMER SILO.

Silage has found a wide use in this country as palatable, succulent, and economical roughage for use during the winter. Many of the advantages of its use in winter

apply equally well in summer, and there are additional

ones that apply alone to the latter season.

The use of a summer silo is particularly applicable on high-priced land. If the land is pastured it will require from 1 to 3 or more acres a season for each cow, while 1 acre of corn put in the silo will snpply succulent roughage for several cows for a like period. It is true that grain will be necessary in addition to silage, but the great problem on high-priced land is to raise a sufficient quantity of roughage.

As has previously been said, soiling crops have been used to a great extent either in place of or in addition to pasture. The greatest disadvantage in their use is that much labor is required. In order to use these crops they must be cut and hauled from day to day. This work is expensive because only small areas are cut at one time, thus making it impracticable to use the harvesting machinery of the farm to advantage and entailing considerable loss of time in harnessing and unhitching the team. Considerable inconvenience also is occasioned by the fact that the field work is pressing at that season of the year. and both man and horsepower are badly needed in the fields. Silage, on the other hand, is cut at one operation when the work in the field is not pressing. The crop or dinarily grown for silage is corn, which is a part of the regular farm rotation and consequently fits in well with the regular routine of work.

With a silo for summer feeding, the dairyman always has an abundant supply of feed that is easily handled. By using silage the necessity of cutting and hauling the supplementary roughage during rainy weather is eliminated. Another advantage as compared with the soiling system lies in the fact that with the latter it is often necessary to feed a portion of each crop after it has matured too much to be palatable, and probably to start on the succeeding one while it is still a little too green. It is difficult to plan exactly so as to prevent these con-

ditions. With silage, however, the crop can be cut at the best stage for feeding and preserved at that point.

Oue of the most important uses of silage in the summer is as a supplement for short or poor pasture. This condition frequently occurs as a result of long-continued dry weather. Under such circumstances even the most carefully planued soiling system may fail. It is then that the greatest value of the summer sile is realized, for with the sile full of well-matured silage grown in the previous season, an abundant supply of succulent feed for the cows is available, regardless of weather conditions.

When it is not necessary to use the silo during the summer, it can be sealed up and the silage preserved for winter use. This prevents any waste in feed.

One point, however, must be kept in mind in planning the summer silo. This is the diameter of the silo in relation to the number of cows to be fed and the quantity to be fed to each cow. Silage enough must be fed daily to prevent excessive surface fermentation. As a general rule, a cow under summer conditions will consume about 20 pounds a day. On this basis the diameter of the silo in reference to the number of cows to be fed in summer will be as follows:

20	cows	8	feet	in	diameter
30	cows	,	feet)	in	diameter
40	cows		feet	in	diameter

Inasmuch as 8 feet is about the minimum diameter of a silo in best practice, it will be seen that the summer silo for supplementing pasture has its best application in herds of 20 cows or more.

WINTER FEEDING.

The problems involved in winter feeding are usually distinctly different from those of summer feeding. Pasture (or green feed), usually the basis of summer feed-

ing, is not available. Broadly speaking, there are two factors involved in this problem, first, to satisfy the needs of the cow, and, second, to suit the pocketbook. The cow must have an ample supply of feed of a palatable nature, and this feed must be supplied at a price which will permit a profit on the feeding operation.

Viewed from an economic standpoint, there are some fundamental considerations which should first receive attention. In general farm practice it is advisable, so far as is economical, to use the feeds produced on the farm. Often the freight rates and the middleman's charges, if saved, will constitute a good profit for the feeder. This is especially true of roughage. Such feeds are bulky and in most cases must be baled at a considerable cost; the freight rates also are much greater in proportion to the untrients contained than on the grains.

When land is high in price and the markets for dairy products are good, it is often impracticable to grow all the feeds on the farm. In such cases arrangements first should be made to grow the roughage, on account of the high cost of transporting these feeds. In most cases the prime object of the farm under such conditions will be to supply the greatest possible quantity of roughage.

It is a difficult problem to provide a system of winter feeding of roughage which will make the best use of home-grown roughage and at the same time insure full production. Only a general discussion of the problem can be attempted.

SILAGE.

In addition to containing the proper nutrients in the right proportion, part of the ration should be of a succellent nature. It is extremely difficult, if not impossible, to keep cows in full production throughout the winter without some succellent feed. There are two chief sources of succellent feed for winter feeding—silage and roots.

Of these, silage is in almost universal use by commercial dairymen. While almost any green crop may be used for silage, the heavy yields of corn, as compared with other crops, and is comparative ease of handling, to gether with its keeping qualities, make it the leading silage crop. Where the cost of land and the prices of dairy products are high, and the system of farming of necessity is intensive, it is questionable whether the dairy man should consider any other silage crop.

ROOTS.

The chief function of roots in cattle feeding is to supply a succulent feed. Under general farm conditions the quantity of nutrients grown per acre in root crops is small in comparison to the cost of production. These root crops, however, can be preserved during the winter equally well whether large or small quantities are fed each day, and therefore have special application when only a few cows are to be fed. Of the different root crops, mangel-wurzels furnish the greatest yield per acre. Other kinds of beets and turnips and carrots may be used. Turnips, however, should be fed after milking rather than before, as they cause a bad flavor in the products if fed immediately before milking. Carrots impart a desirable color to the milk.

DRY ROUGHAGE.

The best kinds of dry roughage to be fed to the dairy cow, in connection with corn silage or roots, are leguminous hays, such as alfalfa, red, crimson, or alsike clover and soy bean or cowpea hay. While corn silage is an excellent feed, it is not a balanced one, as it does not contain sufficient protein and mineral matter to meet fully the requirements of the cow. The leguminous hays, in addition to being very palatable, have a tendency to correct this deficiency. They are also one of the best and

cheapest sources of protein. One or more of these hays can be grown on any farm, and in addition to their value for feeding purposes, they improve the soil in which they are grown. Hay from Canada field peas, sown with oats to prevent the peas from lodging, also makes an excellent roughage.

Corn stover, coarse hay, etc., also find a good market through the dairy cow. This class of roughage is low in protein, however, and when it is used the grain ra-

tion must be richer in protein.

No positive rule can be laid down as to the quantity of dry roughage that should be fed, but about 6 to 12 pounds a day for each cow, in addition to silage, will he found to be satisfactory in most cases. When the dry roughage is of poor quality, such as coarse, weedy hay or a poor grade of cornstalks, a large portion can often he given to advantage, allowing the cow to pick out the best and using the rejected part for bedding. With this quantity of dry ronghage the cow will take, according to her size, from 25 to 50 pounds of silage. This may be considered as a guide for feeding to apply when the roughage is grown on the farm. When everything has to be purchased, it is often more economical to limit the quantity of roughage fed and increase the grain ration.

ROUGHAGE ALONE TOO BULKY A RATION. .

While a cow's stomach is large and her whole digestive system is especially designed to utilize coarse feeds, there is a limit to the hulk that she can take. This limit is below the quantity of roughage that it would require to furnish the nutrients she must have for maximum production; that is, a ration may contain the proper proportions of protein and carbohydrates and still be so bulky that she can not handle it. She, therefore, should have some grain, even though the roughage in itself is a balanced ration.



Herd of Dairy Cattle.

IMPORTANCE OF A BALANCED RATION.

. It is probably well at this point to refer briefly to the composition of feedstuffs as it relates to economical feeding of the dairy cow. The cow takes into her digestive system feeds which she utilizes for the production of body tissues, heating the body, performing hodily functions, such as digesting feed, moving from place to place, and for milk production. For the purposes of the present discussion, it is sufficient to say that the constituents or compounds and the relative quantities necessary for these operations have been determined; that is, we know that milk contains protein and energy or heat-producing constituents, the protein being represented by the casein and albumin and the energy and heat producing constituents by the fat and sugar. In addition to the constituents or compounds necessary for the production of milk, she also must have the constituents necessary for performing the other functions mentioned. These for convenience, have been classified into proteins, carbohydrates, and fats. Fats perform much the same functions as carbohydrates and are worth for production practically two and one-fourth times as much per pound as carbohydrates, and in the balancing of a ration are usually classed with them. This brings us to a defintion of a "balanced ration," which is a ration containing these various nutrients in the proportion the cow needs them.

The economical importance of a balanced ration is evident. The cow can use only certain elements or compounds in certain proportions; consequently, if the ration supplies an excessive amount of any one, the excess is liable to be waste. Not only is this true, but as the cow has to assimilate it, even though she can not use it, her capacity for production is reduced.

Cosr.

In making a ration, cost is one of the important factors. The best practice is to compound a grain mixture so that it will halance with the home-grown ronghage. With this in mind, the separate grains should be selected to supply the necessary untrients at the lowest possible cost. For this, not only the price per hundred pounds. hut also the relative cost of each constituent, especially protein, must be considered. For example, to determine the cost of a pound of digestible protein in a given feed divide the price of 100 pounds by the per cent of digestible protein in the feed. If this calculation is made for several feeds, the relative cost of protein in each will be apparent. Then the feeds that furnish protein at the least cost can be selected. The same can be done to determine the cost of the carbohydrates and fat, which are the heat-making or energy-producing part of the feed.

BULK.

A certain bulk is necessary in the grain mixture to obtain the best results. When heavy feeds are used, some bulky ones should be included to lighten the mixture, since it is probable that a certain degree of bulkiness aids digestion. Some of the common feeds are classified as to bulk in Table 4:

Table 4.—Classification of common feeds as to bulkiness.

Bulky.	Medium.	Heavy or compact.
Alfalfa meal, orn-and-cob meal. fran (wheat). Drien brewers' gains. Dried distillers' grains. Onts, ground. Malt sprouts. Dried beet pulp.	Corn meal or feed. Hominy. Gluten feed. Rye Barley. Buckwheat middlings.	Cottonseed meal, Linseed meal, Cocoanut meal, Peanut meal, Gluten meal, Wheat middlings,

PALATABILITY.

Paiatability is of great importance in successful feeding. The best results can not be obtained with any feed which is not well relished by the cow; consequently any unpalatable feed to be used should be mixed with those that are appetizing.

PHYSIOLOGICAL EFFECT.

In making the grain mixture care should be exercised that too large a quantity of either constipating or laxative feed is not included. Cottonseed meal, for example, is decidedly constipating and should be fed with laxative grains or succulence, such as silage or roots. For ordinary feeding in most parts of the United States not more than one third of the grain should be cotton-seed meal. In some sections larger quantities have been fed, but this practice is not to be recommended. On the other hand, linseed-oil meal, because of its distinctly laxative action, should not be fed ordinarily in greater quantities than 11-2 pounds a day.



Dairy Herd in Everglades.

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NUTRITIVE VALUE OF THE GRAINS AND CONCENTRATES.

As a general rule, the energy or heat producing material is found chiefly in the stem and leaves of the plant and the protein is largely in the seeds. The great exception is in the case of legumes, which have larger percentages of protein throughout the plant and particularly in the leaves. It should be noted, therefore, that in supplying grain we are chiefly concerned with the protein it contains.

Two classes of feeds are uesd for making up the grain ration, namely, grains and by products of the manufacturing industries. The grain produced on the farm and commonly used for cattle feeding are corn, oats, barley and rye. In many cases the demand for these grains for other purposes has become so great that the dairyman can not afford to use them; consequently, it has usually been found more economical to use the by-products of the manufacturing industries. The following are among the most common of these feeds: Wheat bran, wheat middlings, linseed meal, cottonseed meal, gluten meal, gluten feed, hominy feed, hrewers' grains, malt spronts, distillers' grains, heet pulp, molasses, huckwheat middlings. cocoanut meal, peanut meal.

.The following analyses represent digestible untrients in 100 pounds. The fat is multiplied by 2.25 and added to the carbohydrates. This represents the energy or heatmaking part of the feed.

WHEAT BRAN.

Digestible nutrients.—Protein, 12.5 per cent; carbohydrates and fat, 48.4 per cent.

Bran is the outside coating of grains, and is the residue or hy product from the manufacture of flour. Wheat bran may be derived from winter or spring wheat, and there is little difference in its composition from either source.

From a physiological standpoint wheat hran is one of the very hest feeds for cows. It is slightly laxative in nature, and generally tends to keep the cow's digestive system in good condition. The price based upon its protein content is usually so high that most commercial dairymen combine it with other feeds in which protein costs less per pound. Aside from the value of the untrients which it contains, it has a special value in a feeding mixture, as it gives halk and adds to the palatahility. Wheat hran may be used when the rest of the grain ration is lacking in palatability or is of a constipating nature. It is especially good when the roughage is all dry. The best grades of wheat hran are of light weight, with large flakes. Some of the large mills put the sweepings from the mill into the bran; therefore, it is usually best to bny the highest grade of bran, provided the mills grading it are reliable. The output of small country mills is usually of excellent quality. Bran contains a high proportion of phosphorus and potash in its ash content.

WHEAT MIDDLINGS.

Digestible nutrients.—Protein, 13.4 per cent; carbohydrates and fat, 55.9 per cent.

Standard wheat middlings or shorts are composed of the finer portions of the hran together with the coarser portion of the flonr. They are not so flaky as bran, are a little less laxative, and contain a somewhat smaller quantity of ash. In other respects they may be said to resemble bran closely. This feed is somewhat pasty when moist, and consequently lacks bulk.

LINSEED MEAL.

Digestible Nutrients.—Old process: Protein, 30.2 per cent; carbohydrates and fat, 47.7 per cent. New process: Protein, 31.7 per cent; carbohydrates and fat, 44.2 per cent.

Linseed meal is a by-product of the manufacture of linseed oil from flaxseed, and is produced under two processes, known as the old and the new. Linseed meal or oil meal from a physiological standpoint is one of the very hest feeds. It is laxative, palatable, and a very good "conditioner," hut, like wheat bran, its price is usually excessive for its nutritive value. It has, however, a distinct place in a mixture in supplying protein to increase the palatability and improve the physiological effect. It is very heavy, so that it is well to feed it in connection with a hulky feed. It is especially applicable in a mixture to be fed with dry roughage.

COTTONSEED MEAL (CHOICE).

Digestible Nutrients.—Protein, 37 per cent; carbohydrates and fat, 41.2 per cent

Cottonseed meal is the rich; it in protein of all the common cow feeds on the market. It is usually the cheapest source of protein available, but it does not have the best physiological effect up in the cow, often causing digestive troubles if fed in large quantities for long periods. At first it is advisable to start with I to 2 pounds a day, gradually increasing the mantity if no bad results are observed. In some berds in the North as high as 5 to 6 pounds a day are fed without bad results. In the South there seems to be no limit in this direction.

Cottonseed meal is a highly concentrated feed and should, if possible, be fed in a mixture with some hulky feed like hran. It can be fed to better advantage when the roughage contains an ample quantity of succulent feed. While its physiological effect in the North at least is not good as compared with most other cow feeds, its cheapness and the fact that in time the cows seem to overcome this tendency to digestive trouble from it are rapidly giving it great prominence as a cheap source of protein for dairy cows.

GLUTEN MEAL AND GLUTEN FEED.

Digestible Nutrients.—Ginten meal: Protein, 30.2.per cent; carbohydrates and fat, 53.8 per cent. Gluten feed: Protein, 21.6 per cent; carbohydrates and fat, 59.1 per cent.

Gluten meal is a hyproduct of the manufacture of starch from corn. The basis of the meal is the germ part of the corn kernel. Gluten feed is composed of the gluten meal plus a certain quantity of corn hran, which makes it lighter than the meal. Both feeds are fairly palatable and are usually among the cheapest sources of protein.

DRIED BREWERS' GRAINS.

Digestible Nutrients.—Protein, 21.5 per cent; carho hydrates and fat, 44.2 per cent.

Dried brewers' grains rank with wheat hran as a flaky, bulky feed. The physiological effect is nearly if not quite as good as bran. They differ in that they earry a somewhat larger percentage of protein than bran. Cows sometimes do not eat these grains readily at first, but soon overcome this aversion.

MALT SPROUTS.

Digestible Nutrients.—Protein, 20.3 per cent; carbohydrates and fat, 50.3 per cent.

Malt spronts are loose and bulky and cows usually do not take them readily at first. The chief place of this feed is with other feeds in a mixture. Both browers' grains and malt sprouts come from barley and are by products from the mannfacture of heer.

The proprietary feed companies control at the present time a large percentage of the output of dried grains and malt sprouts from the larger breweries, and these excellent feeds do not appear numixed on the market to sogreat an extent as they did a few years ago.

HOMINY MEAL, FEED OR CHOP.

Digestible Nutrients.—Protein, 7 per cent; carbohydrates and fat, 77.6 per cent.

This by product of the manufacture of hominy consists of part of the starchy portion of the corn and part of the germ. It is variously known, as the heading suggests, as hominy meal, feed, or chop. In many respects it resembles corn and is a good substitute for it. This feed is used chiefly to furnish the energy or heat making part of the ration, but hecause of its low percentage of protein it is not an economical source of the latter.

DRIED DISTILLERS' GRAINS.

Digestible Nutrients.—Corn grains: Protein, 22.4 per cent; carbohydrates and fat, 66.5 per cent. Rye grains: Protein, 13.6 per cent; carbohydrates and fat, 52.8 per cent.

These grains are the by product of the manufacture of alcohol and distilled liquors from corn and rye. Both kinds are rather hulky and usually the corn grains are among the cheapest sources of protein. These grains are not particularly palatable, consequently they should be used with other feeds in the grain ration.

DRIED BEET PULP. -

Digestible Nutrients.—Profein, 4.6 per cent; carbohydrates and fat, 67 per cent.

Dried beet pulp is a hyproduct from the manufacture of sugar from the heet. As a source of protein it is not of high value, and the farmer should recognize this fact when he buys it. It is bulky, however, and has an excellent physiological effect upon the cow, as it aids in keeping her digestive organs in good condition. When for any reason neither silage nor roots are available, the pulp can be soaked for about 12 hours in ahout four times its weight of water; it then constitutes a good sub-

stitute for a succulent roughage. Beet pulp should be classed as a carhohydrates rather than as a protein feed.

MOLASSES.

Digestible Nutrients.—Protein, 1 per cent; carhohydrates and fat, 58.2 per cent.

Molasses, from both the beet and cane sugar factories, is valuable as a source of energy or heat making material. the main difference between the two kinds being that the former is more laxative when fed in large quantities. When fed in small quantities, molasses adds materially to the palatahility of the ration, but unless it is very low in price it is not usually an economical feed for dairy cows.

BUCKWHEAT MIDDLINGS.

Digestible Nutrients.—Protein, 24.6 per cent; carbo hydrates and fat, 52 per cent.

This floury feed is composed largely of that part of the buckwheat kernel under the hull together with some of the coarsest of the flour. It is rather heavy and tends to produce a tallowy butter if fed in large quantities. In certain sections it is one of the cheap sources of protein. Frequently hran and chaff are added to the middlings, thus greatly reducing their feeding value.

COCOANUT MEAL.

Digestible Nutrients.—Protein, 18.8 per cent; carbohydrates and fat, 60.2 per cent.

This meal is the ground cake resulting from the manufacture of eccoanut oil. It is a rather heavy feed which, on account of its high oil content, tends to become rancid if kept for long periods in the summer. If it is possible to obtain cocoannt meal at a reasonable price it will be found to be a valuable addition to the ration.



Herd of Jersey Dairy Cattle.

PEANUT MEAL.

Digestible Nutrients.—Hulled nuts: Protein, 42.8 per cent; carbohydrates and fat, 36.6 per cent. With hulls: Protein, 20.2 per cent; carbohydrates and fat, 36.5 per cent.

This meal is the by product of the manufacture of peanut oil and varies greatly in composition, depending upon the percentage of hulls it contains. It is an excellent dairy feed and in some sections is a cheap source of protein.

FARM GRAINS.

Some of the more common grains that are grown upon the farm will be described briefly below.

CORN.

Digestible nutrients.—Corn meal: Protein, 6.9 per cent; carbohydrates and fat, 76.9 per cent. Corn-and-cob: Protein, 6.1 per cent; carbohydrates and fat, 72 per cent.

Corn is probably the most common grain grown upon the farm and is well adapted to be part of the ration of a dairy cow. Corn is palatable, heavy, and one of the best and cheapest sources of the energy or heat-making part of the ration, but, on account of its low protein content, it should not form the entire grain ration. In order to lighten up this grain, the cob is often ground with the kernel, the resulting meal being called corn-and-cob meal. This feed is more bulky and better adapted for mixing with heavy grains.

OATS (GROUND).

Digestible nutrients.—Protein, 9.4 per cent; earbohydrates and fat, 69.6 per cent.

This very palatable cereal is slightly laxative and very well adapted for feeding dairy cattle. Owing to the high market price of oats, it is usually more economical to sell them and purchase other feeds which furnish nutrients at a cheaper price.

BABLEY (GROUND).

Digestible nutrients.—Protein, 9 per cent; carbohydrates and fat. 70.4 per cent.

This is a palatable feed and one that can be used to good advantage as a source of carbohydrates or energy material for dairy cows where its price is moderate. Like corn, it should not be the only grain in the ration.

RYE (GROUND)

Digestible nutrients.—Protein, 9.2 per cent; carbohy drates and fat, 70.5 per cent.

This grain is not especially palatable and should not be used in large quantities, as it tends to produce a hard, tallowy butter. Mixed with other feeds, it is often a valuable addition to the ration.

ROUGHAGE.

All roughage may be divided for convenience into two general classes with reference to its content of protein. In the first, or low-protein, class ace placed corn silage, corn stover, timothy hay, millet hay, prairie hay, hays from the common grasses, straws of the various cereals, and cottonseed hulls. The second, or high protein, class includes the various legume hays, such as alfalfa, the clovers, cowpea, soy hean, and out and pea. Economy in feeding demands that grain should supplement the roughage, consequently the grain mixtures will be compounded to fit the class to which the roughage belongs.

COMPOUNDING A GRAIN MIXTURE.

A few simple rules for making up a grain mixture are given briefly below:

1. Make up the mixture to fit the roughage available. With roughage entirely of the low-protein class the grain should contain approximately from 18 to 22 per cent of protein, while with exclusively high protein roughage the grain ration need contain only about 13 to 16 per cent.



Cow Peas and Sorghum.

- 2. Select grains that will furnish the various constituents, especially protein, at the least cost, using home-grown grains if possible.
 - 3. Be sure that the mixture is light and bulky.
 - 4. The mixture should be palatable.
- 5. See that the grain has the proper physiological effect upon the cow.

All these suggestions should be kept in mind in order to obtain the best possible combination of grains. For the convenience of the feeder Table 5, showing the digestible protein content of the more common grains and byproducts feeds, is given. The per cent columns are arranged in 5 per cent divisions.

Table 5.—Approximate digestible protein of various grains and by products,

Average 5 per cent (2.5 to 7.4 per cent).	Average 10 per cent (7.5 to 12.4 per cent).	Average 15 per cent (12.5 to 17.4 per cent).	Average 20 per cent (17.5 to 22.4 per cent).
Corn meal, . Corn-and-cob meal. Hominy feed. Dried beet pulp.	Wheat, ground, Oals, ground, Barley, ground, Ruckwheat, ground. Sorghum'grains, ground.	Wheat bran. Wheat mid- dilugs. Dried distillers' grains (ryc).	Glulen feed. Malt sprouts. Dried brewers' gralus. Dried distillers' gralus (corn). Cocommt meal. I'eanut meal with hulls. Cowpeas.
Average 25 per sent (22.5 lo 27.4 per cont).	Average 30 per cent. (27.5 to 32.4 per cen1).	Average 35 per cent (32.5 to 37.4 per cent).	Average 40 per cent, (37.5 to 42.4 per cen),
Buckwent middlings.	Gluten meal, Linseed meal (both pro- cesses). Soy beans.	Cottonseed ment.	Peanut meaf (hulled nuts).

The per cent of protein in a grain mixture may be found as follows: Take any number of parts of any number of feeds in the table, and for each part put down the per cent of the column in which it is found. Add these numbers and divide the sum by the number of parts. Examples:

1	part wheat bran	15	
1	part cottonseed meal	35	-
1	part gluten feed	20	
		_ _	
3	3)	70	
		23.3	per cent protein.
3	parts wheat bran (3x15)	45	
2	parts cottonseed meal (2x35)	70	
1	part glutten feed (1x20)	20	•
_			
6	6)	135	

22.5 per cent protein.

The approximate price of a ration per pound of protein may be ascertained as follows: Divide the total price of the mixture by the average protein content as derived above. The mixture costing the smallest price per pound of protein, other things being equal, is the most economical. Unfortunately, other things are never exactly equal, for the physiological effect of the grain. bulk, and palatability must also be taken into consideration. Practically all the grain feeds low in protein are rich in carbohydrates, but, as already stated, grains are purchased primarily for their protein content, as almost invariably the carbohydrates can be produced more cheaply in the form of corn silage, cornstalks, etc. While the above-mentioned method of testing the economy of a grain ration is not entirely accurate, it is usually a safe method to follow.

SAMPLES OF GRAIN MIXTURES TO BE FED WITH VARIOUS ROUGHAGES.

WITH LOW-PROTEIN ROUGHAGES.

The following grain mixtures are adapted to be fed with roughages of the low-protein class, such as corn silage, corn stover, timothy, prairie, rowen, or millet have, cettonseed hulls, etc.:

Mixture 1.—Per cent of digestible protein. 18.4:

500 pounds corn meal.

400 pounds dried distillers' grains (corn).

200 ponuds gluten feed.

300 pounds linseed meal (old process).

Mixture 2.—Per cent of digestible protein, 19.8:

100 pounds corn meal.

100 pounds cottouseed meal.

100 pounds linseed meal (old process).

200 pounds wheat bran.

Mixture 3.-Per cent of digestible protein, 19.8:

300 pounds corn meal.

200 pounds cottonseed meal.

100 pounds dried distillers' grains (corn).

100 pounds gluten feed.

Mixture 4.—Per cent of digestible protein, 19.8:

200 pounds corn-and-cob meal.

100 pounds cottonseed meal.

100 pounds linseed meal (old process).

Mixture 5.—Per cent of digestible protein, 18.8:

200 pounds corn meal.

150 pounds cottonseed meal.

100 pounds gluten feed.

100 pounds wheat bran.

Mixture 6.—Per cent of digestible protein, 18.1:

200 pounds corn meal.

100 pounds cottonseed meal.

100 pounds oats, ground. .

100 pounds linseed meal (old process).

Mixture 7.-Per cent of digestible protein, 19.4:

400 pounds corn meal.

200 ponnds cottonseed meal.

300 pounds gluten feed.

400 pounds dried brewers' grains.

Mixture 8.—Per cent of digestible protein, 18.3:

200 pounds corn meal.

100 pounds linseed meal (old process).

150 ponnds gluten feed.

200 pounds dried, brewers' grains.

Mixture 9.-Per cent of digestible protein, 18.4:

300 pounds corn-and-cob meal.

200 pounds cottonseed meal.

Mixture 10 .- Per cent of digestible protein, 19.1:

200 pounds corn-aud-cob meal.

100 pounds cottonseed meal.

100 pounds gluten feed.

100 pounds buckwheat middlings.

Mixture 11.—Per cent of digestille protein, 19.1:

200 pounds barley.

200 pounds cottonseed meal.

100 pounds alfalfa meal.

100 pounds wheat bran.

WITH HIGH-PROTEIN ROUGHAGES.

With roughage of the high-protein class, such as clover, alfalfa, soy beans, cowpeas, and vetch or other legume hay, the following grain mixtures may be used:

Mixture 12.-Per cent of digestible protein, 14.1:

400 pound corn meal.

100 pounds cottonseed meal.

100 pounds gluten feed.

100 pounds wheat bran.

Mixture 13 .- Per cent of digestible protein, 15.6:

400 pounds coru meal.

200 pounds gluten feed.

200 pounds linseed meal (old process).

100 pounds oats, ground.

Mixture 14.—Per ceut of digestible protein, 14.9:

200 pounds corn meal.

200 pounds gluten feed.

100 pounds malt sprouts.

100 pounds wheat bran.

Mixture 15 .- Per cent of digestible protein, 16.7:

300 pounds barley.

100 pounds cottonseed meal.

100 pounds alfalfa meal.

100 pounds wheat bran.

Mixture 16-Per cent of digestible protein, 13.7:

100 pounds barley.

200 pounds cocoanut meal.

100 pounds oats, ground.

100 pounds wheat bran.

Mixture 17.—Per cent of digestible protein, 15.8:

300 pounds corn-and-cob meal.

200 pounds gluten feed.

100 pounds cotronseed meal.

100 pounds wheat bran.

Mixture'18.—Per cent of digestible protein, 15.5:

100 pounds corn meal.

100 pounds linseed meal (old process)

100 pounds oats, ground.

WITH COMBINATION OF LOW AND HIGH PROTEIN ROUGHAGES.

The following grain mixtures are adapted for feeding with a combination of the low and high protein classes of roughage, such as silage and clover, or other legume bay: corn stover and clover, or other legume hay; mixed hay, or oat-and-pea hay, etc.:

Mixture 19.-Per cent of digestible protein, 16.3:

400 pounds corn meal.

300 pounds dried distillers' grains (corn).

100 pounds gluten feed.

100 pounds liuseed meal (old process).

Mixture 20 .- Per cent of digestible protein, 16.1:

300 pounds corn meal.

100 pounds cottonseed meal.

100 pounds linseed meal (old process).

200 pounds wheat bran.

Mixture 21.—Per cent of digestible protein, 16.4:

400 pounds corn meal.

100 pounds cottonseed meal.

200 pounds dried distillers' grains (corn).

100 pounds gluten feed.

Mixture 22.—Per cent of digestible protein, 16.7:

400 pounds corn meal.

100 pounds cottonseed meal.

200 pounds gluten feed.

200 pounds dried brewers' grains.

Mixture 23.—Per cent of digestible protein, 16.4:

200 pounds corn-and-cob meal.

100 pounds cottonseed meal.

Mixture 24.-Per cent of digestible protein, 16.7:

200 pounds corn meal.

100 pounds peannt meal (with hulls).

100 pounds cottonseed meal.

100 pounds wheat bran.

Mixture 25.—Per cent of digestible protein, 16.4:

100 pounds corn meal.

100 pounds oats, ground.

100 pounds cottonseed meal.

100 pounds wheat bran.

The above-named mixtures which contain linseed meal

are particularly adapted for use when no succulence is in the ration.

Rations Suitable for Florida Where Cottonseed Meal Is of Moderate Price and Coupea and Other Hays

Are Raised on the Farm.

			•	Pounds.
(1) Corn s	silage	 		. 35
	a hay			
	seed meal or oil meal			
(2) 'Corn	Silage :	 		30
	seed hulls			
Cotton	seed meal	 		. 7

BALANCED RATIONS FOR DAIRY COWS.

BY JOHN M. SCOTT.

In the lists of rations given below, home-grown feeds are separate from purchased feeds. The amount given in each ration is sufficient for one day's feed for a cow weighing 1,000 pounds and giving about three gallons of milk per day. (Dairy cows in Florida usually weigh from 600 to 800 pounds.) For cows giving a heavier flow of milk, it will be necessary to increase the amounts of feed accordingly. No attempt has been made to estimate the cost of these rations, or to say which will be the cheapest, as the prices of feeds vary in different places. The amounts of each feed being given, it will be an easy matter for the dairyman to calculate the local cost of the different rations and in this way find out which will be the cheaptest for him to use.

RATIONS OF HOME-GROWN FERDS.

(1)	Velvet beans in the pod	10	pounds
(2)	Velvet beans in the pod	2	pounds
(3)	Velvet beans in the pod. Cowpea hay	10	pounds
(4)	Corn Velvet beans in the pod Cowpea hay Japanese cane silage	. 7 9	pounds pounds
(5)	Velvet beans in the pod	10	pounds
(6)	Velvet beans in the pod Cowpea hay Crabgrass hay Sweet potatoes (or cassava)	8	pounds pounds pounds pounds

The above are well-known home-grown feeds, or feeds that can be grown at home. Feeds can be grown more cheaply than they can be bought on the market. In these rations, cowpea hay can be replaced by an equal weight of beggarweed hay, velvet bean hay, or any other good legume hay. Which of these hays should be used will depend largely on the cost of the hay on the market, or rather on what it will cost to produce it. One may be so situated as to be able to grow beggarweed hay, or velvet

bean hay, to better advantage than cowpea hay. All of the hays in these rations are considered to be of good quality, cut at the proper stage of maturity, and properly cured.

RATIONS OF PURCHASED FEEDS.

(1)		pounds pounds
(2)	Alfalfa hay 10	pounds
\- <i>\</i>	Wifeat bran 9	pounds
	Crabgrass hay 13	pounds
(3)	Alfalfa hay 10	ponuds
(-/	Shorts 9	pounds
	Crabgrass hay 13	pounds
(4)	Alfalfa hay 10	pounds
127	Wheat bran 6	pounds
	Beet pulp 10	pounds
(5)	Wheat bran 9	pounds
(0)	Cottonseed meal 3	pounds
	Cottonseed hulls	pounds
(6)	Shorts 8	pounds
(0)	Cottonseed meal 2	pounds
	Hay (any non-legume)	
(7)	Wheat bran 6	pounds
(1)	Cottonseed meal 2	y pounds
	Beet pulp 10	
•	Timothy hay 7	pounds
(8)	Wheat bran 9	pounds
(0)	Cottonseed meal	pounds
	Japanese cane	

(9)	Corn	อี	pounds
	Cottonseed meal	$2\frac{1}{2}$	pounds
	Cowpea hay		
	Silage	30	pounds
	/		•

It should be understood that the above rations are not necessarily to be fed in the exact quantities given above, but should be modified to suit local conditions or the actual conditions on each farm. They are given to show approximately the average amounts and character of feed that would be consumed daily by a 1,000 pound steer during the feeding period.

It is well to feed as near a balanced ration as possible without materially increasing its cost. Sometimes the prices of available feeds are such that a farmer is justified in deviating from the standard. Such conditions are illustrated by the use of some of the rations given above. The second ration shown for the South is an example, as that ration is very narrow, but in certain localities it is more profitable than one which is balanced by the use of high priced carbohydrate feeds.

SUPPLEMENTARY FEEDS.

While silage is an excellent feed, it is not a complete one for dairy stock. It is too bulky and watery and contains insufficient protein and mineral matter to fully meet the requirements of the dairy cow. It should be combined with some leguminous bay, such as clover, cowpeas, or alfalfa. These will tend to correct the deficiencies of the silage in dry matter, protein, and mineral constituents. A ration of silage and, say, alfalfa hay alone is satisfactory, however, only for cows which are dry or giving only a small amount of milk and for heifers and hulls. Cows in full milk require some more concentrated feed than hay or silage, else they can not consume enough feed to

meet the demands of the body The result will be that the cows lose in flesh and in mak flow.

AMOUNT TO FEED.

The amount of silage to fed a cow will depend upon ine capacity of the animal to the feed. She should be fed as much as she will clean up without waste when consumed along with her hay an ograin. Raise or lower the amount until the proper quantity is ascertained. Generally speaking, a good cow should be fed just short of the limit of her appetite. If she refuses any of her feed it should be reduced at once. The small breeds will take 25 or 30 pounds per day; the arge breeds about 40; and the medium-sized ones amounts varying between.

RATIONS.

Ironélad directions for feeding cows can not be given. In general, however, they should be supplied with all the roughage they will clean up with grain in proportion to butterfat produced: The hay will ordinarily range between 5 and 12 pounds per cow per day when fed in counection with silage. For Holsteins 1 pound of concentrates for each 4 pounds of milk produced will prove about right. For Jerseys 1 pound for each 3 pounds of milk or less will come nearer meeting the requirements. The grain for other breeds will vary between these two according to the quality of milk produced. A good rule is to feed seven times as much grain as there is butterfut produced.

The following rations will be found good:

For a 1,300-pound cow yielding 40 pounds of milk testing 3.5 per cent:

			\mathbf{P}_0	nnds.
Silage				40
Clover, Cowpea, or Alfalfa Hay				10
Grain mixture				10

For	the	same	cow	yielding	20	pounds	of -3.5	per	ceut
milk:									

Silage	40
Clover, Cowpea, or Alfalfa Hay	
Grain mixture	5

For a 900-pound cow yielding 30 pounds of 5 per cent milk:

Silage	30
Clover, Cowpea, or Alfalfa Hay	
Grain mixture	11

For the same cow yielding 15 pounds of 5 per cent milk:

Silage	30
Clover, Cowpea, or Alfalfa Hay	S
Grain mixture	5

A good grain mixture to be used in a ration which includes silage and some sort of leguminous hay is composed of:

	Parts
Corn Chop	4
Wheat Bran	
Linseed-oil Meal or Cottonseed Meal	

In case the hay used is not of this kind some of the corn chop may be replaced by linseed or cottonseed meal. In many instances dried brewers' grains or crushed oats may be profitably substituted for the bran.

TIME TO FEED.

The time to feed silage is directly after milling or at least several hours before milking. If fed immediately before milking the silage odors may pass through the

cow's body into the milk. Besides, the milk may receive some taints directly from the stable air. On the other band, if feeding is done subsequent to milking the volatile silage odors will have been thrown off before the next milking hour. Silage is usually fed twice a day.

Many objections have been made to the feeding of silage; some condenseries even refusing to let their patrons use it. These objections are becoming less common, since milk from cows fed silage in a proper manner is in no way impaired; besides which there is nothing about silage that will injure in any way the health of the animals.

SILAGE FOR CALVES, BULLS, AND DRY COWS.

Calves may be fed silage with safety when they are about 3 or 4 months old. It is perhaps of greater importance that the silage be free from mould or decay when given to calves than when given to mature stock. After the calves are weared they may be given all the silage they will eat up clean. Yearling calves will consume about one-balf as much as mature stock, that is, from 15 to 20 pounds a day. When supplemented with some good leguminous hay little, if any grain will be required to keep the calves in a thrifty, growing condition.

There is a decided opinion among some breeders of dairy stock that a large allowance of silage is detrimental to the breeding qualities of the bull. Whether there is any scientific foundation for this opinion remains to be determined. Pending further investigations, bowever, it is advisable to limit the allowance to about 15 pounds of silage a day for each 1.000 pounds of live weight. When fed in this amount silage is thought to be a good, cheap, and safe feed for bulls. It should of course be supplemented with bay, and with a small allowance of grain also in the case of bulls doing active service or growing rapidly.

Cows when dry will consume almost as much roughage

as when milking. Silage may well form the principal ingredient of the ration, in fact, with 25 to 40 pounds of silage and a small supplementary feed of clover, cowpea, or alfalfa hay, say 5 or 6 pounds a day, the cows will keep in good ficsh and even make some gain. Cows in thin flesh should receive in addition a small amount of grain. Silage will tend to keep the whole system in a state of healthy activity and in this way lessen the troubles incident to parturition.

SHAOR FOR SUMMER FEEDING

One of the most trying seasons of the year for the dairy cow is the latter part of the summer and early fall. At this season the pastnres are often short or dried up, and in such cases it is a common mistake of dairymen to let their cows drop off in flow of milk through lack of feed. Later they find it impossible to restore the milk flow no matter how the cows are fed. Good dairy practice demands that the milk flow he maintained at a high point all the time from parturition to drying off. It becomes necessary, therefore, to supply some feed to take the place of the grass. The easiest way to do this is hy means of silage. Silage is cheaper and decidedly more convenient to use than soiling crops.

The amounts to feed will depend upon the condition of the pastures, varying all the way from 10 pounds to a full winter feed of 40 pounds. It should be remembered in this connection that silage contains a low percentage of protein, so that the greater the amount of silage fed the greater must be the amount of protein in the supplementary feeds to properly halance the ration.

INDIVIDUAL FEEDING.

Different cows have different capacities for converting feed into milk. For this reason the above-mentioned rules

can serve only as indicators for the inexperienced feeders. No man who has not a full appreciation of the wide variation in individual cows will be fully successful as a Some cows may have natural capacity for producing large quantities of milk, and may not receive feed enough for maximum production. By increasing the feed of the highest-producing cows and carefully consulting the milk sheets on which each cow's daily production is recorded, the skillful feeder will soon find that some cows in the herd will respond to the increased allowance and return a good profit on the additional feed given. On the other hand, there are cows that have a limited capacity For milk production and are very liable to be overfed. By carefuly studying each individual cow the feeder will soon ascertain the point beyond which any addition to the grain ration becomes unprofitable.

WATER FOR COWS.

All animals require plenty of good, pure water. This is especially true of the milking cow, as water constitutes more than three-fourths of the total volume of milk. The water supply, therefore, demands the dairyman's most careful attentiou. Stale or impure water is distasteful to the cow and she will not drink enough for maximum milk prduction. Such water may also carry disease germs which might make the milk uusafe for human consumption or be dangerous to the cow herself. During the winter, when cows are stabled the greaterpart of the time, they should be watered two or three times a day unless arrangements have been made to keep water before them at all times. The water should, if nossible, be 15° or 20° above the freezing point, and should he supplied at practically the same temperature every day. When water well above freezing temperature is stored in tanks and piped directly to the cow, there is probably little occasion for facilities to warm it. When

it stands in a tank on which ice often forms, it usually pays well to warm it slightly. This can be done by a tank heater, by live steam, or by hot water from a boiler. If a boiler is used for running a separator or for heating water to wash and sterilize utensils, steam from it can readily and cheaply be used to warm the water.

SALT.

Salt is required by all animals. The dairy cow requires an ounce or more a day, and while she should be given all she needs, she should not be forced to take more than she wants. It is best, therefore, to give only a small quantity on the feed, and to place rock salt in boxes in the yard where she can lick it at will.

SOIL EROSION, AN IMPORTANT MATTER

In this connection we wish to bring to the farmer's attention a condition that is growing serious in the more rolling lands of the State, and is wasting at a high rate the fertility of these lands. We mean soil erosion.

Soil washing by heavy rains is a cause of the loss of soil fertility on rolling upland farms. The amount of this loss is difficult to determine accurately. But it is reasonably certain that as much as four to five per cent. of the real fertile soil may be lost during one year on even a gently sloping field if the surface is left bare of vegetation. This means that the continuous cultivation for a long period of time may result in the loss of practically all the fertile soil on even gently rolling land, unless some methods are adopted to prevent it. On hill lands the loss is necessarily much more rapid.

The element lost in this way is one of the most valuable that exists—nitrogen. This element in the soil is contained in the organic or vegetable matter. Nitrogen is made available for the use of plants by the decay of

organic matter. It is considered that about two per cent. of the total amount present becomes available each year. It is this two per cent, which may be removed by the crops, by leaching, and in the form of gas, by evaporation. As the availability of the other elements of plant food in the soil is closely associated with the decay of organic matter, it is certain that the washing away of that part of the soil richest in organic matter results in a lack of all the really valuable plant food. In addition to the loss of plant food, the poorer physical condition of the soil resulting from the removal of organic matter and the inconvenience caused by the necessity for ditches in the fields are to be considered.

The sort of farm work that causes excessive erosion is continuous cultivation without crop rotation, shallow plowing, running furrows down the hills, leaving the land bare of vegetation in winter, neglect of control of the gullies, and the exhaustion of organic matter.

The best way to control erosion is by systematic rotation of crops, containing fewer cultivated erops and more hay and pasture crops, by the gradual deepening of the soil, by occasional deep plowing, the use of barn yard and green manures, winter cover crops such as rye, oats and wheat, and prompt control of gullies and ditches.

Cultivate the level lands and plant the hillsides to pasture grasses for permanent pastures, and thus reclaim the worn out hill lands.

As lands increase in value, reclamation becomes profitable. Steep, badly washed hillsides may be also set to forest trees. Small ditches may be filled with litter and soil and seeded down to grass. Large ditches may be filled by obstructing with brush and coarse litter staked and weighted down, by planting willows, or placing some form of obstruction in the gullies, which will in time aid in filling them and gradually restore these soils to useful fields. Our people must realize that neglect in this

⁷⁻Com.Agr.

matter means positive ruin to the land itself. They must also realize that the soil is the one most valuable natural resources of any country. From this source, directly or indirectly, we derive all that we have, use or subsist upon. In fact, the soil may justly be considered the bedrock of civilization itself. Thus considered it becomes as necessary to existence as the air we breathe or the water we drink. Then the case of the soil and the prevention of its destruction is one of the most important features connected with farm management. It is a vital subject to continued prosperity and the maintenance of farm land values. No owner of lands can afford to ignore its importance.

WHEAT IN FLORIDA.

By H. S. Elliot, Chief Clerk Department of Agriculture.

That wheat can be successfully grown in Florida, there is no doubt. The early settlers in Florida grew their own wheat and made their own flour. True, the mills used in those days were of vastly different type from the present, but the quality of the flour was equally as unfritions and wholesome, if not more so, than the new process flours of today. We consider that the growing of wheat in Florida, owing to the condition of the times and the demand for breadsfuffs by the allied powers, is practically a necessity, and that Florida in common with other States should live within herself as nearly as possible. In fact, it is a patriotic duty, which the people of our State owe to our country and the cause we are engaged in defending, to grow every kind of food products that are necessary not only to maintain the people at home, but to supply our quota of foodstuffs to the armies in the field. Wheat can be grown in Florida from the north central portion of the State, northeast and west to the Perdido River. Most of the land in the region named will produce one or more of the varieties of wheat adapted



The Biggest Hog Ever Raised in Florida. Weight, 1,326 Pounds

to southern conditions. Wheat is the world's choicest bread crop and the source of one of the principal foods of the most progressive and intelligent peoples and nations of the world. The only other crop that approaches it in food value, and that is grown to any extent, is rice. With these conditions before us we feel justified in suggesting that all farmers who can, and whose lands are adapted, in whole or in part, to wheat growing, plant at least enough for home consumption. A few acres planted by each farmer will give him all of the flour that he needs throughout the year. If each farmer in Florida, of the ordinary size farm, should plant from three to five acres to wheat, he would find it the most profitable crop that he could plant. In doing this, if he does no more, it would set free many hundred thousands of bushels of wheat for war consumption. We suggest the following varieties as being adapted to Florida soils: Blue Stem. Red May, Georgia Red and Leap's Prolific. Of these, the Blue Stem, a smooth-headed wheat, is well adapted to the better quality of sandy loam soils of Florida; likewise, the Red May wheat. The Georgia Red and Leap's Prolific do best on the clay loam soils. Any of the varieties mentioned will do well on the better gradations of the soils mentioned above.

SOILS.—Light fertile clay and medium fertile sandy loams of good depth, and well drained, are the best lauds for wheat culture. Heavy clays are too close in texture and liable to bake under certain conditions. But light clay loam and good sandy loams have about the proper consistency or degree of compactness necessary to retain moisture, and are better adapted to wheat cultivation than the heavier clays or lighter loams. Good drainage is necessary to the proper development of the wheat plant, and a medium porous, permeable snb-soil is also important during most of the growing period of wheat. A great deal depends on the soil as regards the yield as well as the quality of the grain. Deep plowing is not

necessary to the successful growing of wheat. In breaking land that has not been in cultivation the year previous, six to ten inches, depending upon conditions of the soil, will be about correct. If it is stubble laud that is to be planted in wheat, it need not be broken with a turn plow. If in the first instance the land is well broken, then harrowed cross-wise with a disk, and later with a straighttoothed smoothing harrow, a good seed hed will be objained. If it is stubble land, such as corn land, cowpeas or velvet beans, where the crop has been cut off for hay, the soil will need no turning, but the planting can be equally as well done by preparing the land with a heavy disk; then if the wheat is to be sown broadcast it can be sown on the disked soil and harrowed in with The best way of planting a straight-foothed barrow. wheat, bowever, is with a drill, which opens the furrows. drops the seed, covers and rolls it with one operation. In preparing the land, however, the surface should be left clean without sticks or weeds left lying on the ground, which would interfere with the handling of the barvest machinery. In the case of fallow lands, it should be well broken early in the fall, or in Florida in the late summer, from three weeks to a month, at least, before the wheat is to be planted. One thing to remember is that it will be a waste of both time and seed to neglect a proper preparation of the soil. A good seed hed is half the battle.

The time for sowing wheat in Florida of course depends upon the section of the State where it is to be grown. In Northern and Western Florida the best time would be from about the middle of October to the middle of November. In Southern Florida the best time would be about the first of November to December. There can be no fixing of positive dates in this matter, and the grower will bave to use his discretion as to the time best suited for planting.

FERTILIZING. - The best form of manuring for

wheat, and in general the best kind of manure adapted to wheat growing, is farm lot or stable manure, but if this kind of manure is applied it should be under the crop preceding the sowing of the wheat. If commercial fertilizers are to be relied on, then it is best to apply that broadcast, and later, if there is bara yard manure to spare, that can be applied as to a top dressing. Manures containing too much nitrogen should not be used. A good formula for this purpose is, and one that is generally recommended by most growers, on the character of soils we have in Florida, a mixture analyzing about three and one-half per cent nitrogen, ten to twelve per cent of available phosphoric acid, and about four per-cent potash. to be followed in the spring, when the wheat indicates a swelling of the upper portion of the plants prior to heading, with nitrate of soda. This will be about four weeks before the plant heads. The application of about 100 to 150 pounds of nitrate of soda per acre will add greatly to the yield of grain. If the land has been well cultivated and kept in a reasonably fertile condition, especially manures, like stable manure, that contain a considerable amount of humns, then the following formula would be an excellent one in producing a good yield; Acid phosphate, 350 pounds sulphate of ammonia, 130 pounds; muriate of potash, 90 pounds; mixed and used on one acre. . This also should be followed in the spring as above suggested with about 100 pounds of nitrate of soda broadcast. This is rather on the intensive system of manning, but it will pay well. Some soils under certain conditions will be much benefited by the application of well slacked lime. From 25 to 40 bushels per acre on poor land, and especially the thin clay land, will have a good effect. Its benefit consists in loosening up the clay lands, making them more friable, of easier cultivation, and sets free the potash in the clay for the use of the plants.

These brief descriptions and instructions are intended more for those who have not planted wheat on their



50 Hogs Slaughtered at One Time on State Farm at Raiford, December 6, 1918. Average Net Weight, 202 Pounda Each.

farms. The average, older and expert farmer will easily understand the best methods of growing grain crops. There is much similarity in the methods used in growing wheat, oats and rye. The same fundemental principles underlie the characteristics of each of these crops and the methods of their cultivation. In closing this, the Department of Agriculture urges the people whose lands are adapted to wheat raising in Florida to plant the acreage that they can handle best.

GROWING RYE IN FLORIDA.

BY H. S. Ellior, Chief Clerk Department of Agriculture.

Soils Best Adapted to Rye:

Rye is one of the most important cover crops grown in the State, although planted in a small way. Its real value as a grazing crop, as well as a cover crop, does not seem to have been appreciated as it deserves. Rye can be grown on almost all of the well-drained soils of the State, especially those in the North-Central, Northeastern and Middle and Western sections of Florida. It is best adapted to the lighter loam or sandy soils than to the heavy clay lands, and it yields best and produces the best quality of grain on well-drained sandy loam soils that contain a fair supply of lime. It is not limited, however, to such conditions, and it does about as well on acid soils of neutral soils, and is possibly the best grain for planting on sandy lands, which are rough and to a considerable extent exposed to the cold of winter. It is also better adapted to sandy and poorer classes of lands than wheat and will stand a much greater amount of acidity in the soil than either wheat, oats or barley. It is also especially good for drained marsh lauds and also for cutover lands, which are being brought under cultivation for

the first time. Rye should be generally the first crop grown on this character of lands, and it may be grown with equal success on other sandy soils where most cereals fail to succeed, but the growing of rye should not be attempted on lands that are subject to overflow or where water may come or stand for any length of time. If too rich in nitrogen or too much on the order of muck lands, it is likely to cause the rye when grown to fall down, or in other words, to lodge. Neither does rye grow so well on wet lands, but in dryer soils it is much more resistent to cold than wheat or oats. If the land is made too rich, however, this condition is reversed.

Rye in Rotation:

Rye, like all other farm crops, does best when planted in rotation, although it can be grown year after year on the same land with as great degree of success, if not more so, than most small grain crops. This is because few diseases that affect this plant are found in the soil. many cases rye is grown in place of wheat, and there are many people in the world who prefer rye flour and bread to wheat flour or wheat bread. Rye also takes less from the soil than most of the small grain, unless it be rice. though the difference is slight in any case. One of the best rotations is to follow other crops with rye. instance, rye can be sown in the corn field after the corn has been gathered, and in this case where the soil has been baked it is hest to plow the rye in. The better plan is to use a disk plow and not a turn plow, and follow this by a straight tooth barrow slanted carefully and properly. In this way labor is saved by harrowing in the grain, which is a quicker and more practical way than by plowing in under the ordinary conditions. In disking, the grain in the standing corn stalks will be leveled by the time the grain is ready for harvest; if it is to be harvested, the corn stalks will have decayed to such an extent, at least, that they will not be in the way of the harvest machinery. If it is only intended for grazing, and in

the early Spring and turning under as a green manure crop, should some of the stalks be left standing under these couditions, they will not be in the way.

Varieties:

For Florida, in the sections previously mentioned, there are really only two varieties that can be depended on. These varieties are the Ehruzzes and the South Georgia. Under some circumstances the Ebruzzes seems to be the hest, and under other circumstances the South Georgia appears to give best results, but like most grains these also are subject to fluctuations in growth, depending on more favorable location in the one case or in the other. The South Georgia rye, in soils best adapted to its growth, grows perhaps a little taller than the Ehruzzes, but both are excellent tyes and can be depended on. One advantage of the rye crop is that it can be, and is often used to fill gaps between other crops. It can be sown at most any time, early or late fall, on lands that are either rough or well placed, and it will nearly always take care of itself, and make a good growth, which cannot be said of any other grain under like conditions. It is also a good crop to grow on hillsides or on lands that are threatened with washing, and to this extent it is one of the best crops that can be planted. It is an excellent preventer of soil erosion, as it prevents the washing of the soil and the dehris down into the valleys, thus holding the soil in place. After the rye has grown to practical maturity, and especially while in the milk stage, it makes an excellent hay if cut at that time and properly cured. It can also be made a good pasture for hogs, and after the hogs have eaten down the grain then the crop can be turned under for manurial purposes. For these purposes it is one of the best winter crops that can be grown, Hogs will harvest the crop and benefit the soil by the dropping of maunre in so doing. Rye is also considered a better crop for Fall, Winter and Spring pasture than either

wheat or oats. It does not affect cattle to the extent that oats and wheat does, and it makes a better crop to turn under for green manurial purposes.

Preparing Seed Bed:

While in most cases rye does better than any of the other cereals on poorly prepared soil, it is not a good reason for neglecting the proper preparation of the soil. As the expenses of preparing the soil is very slight and will not be noticed to any appreciable extent, this will be greatly repaid by a much larger yield of grain. The land should be plowed, as a rule, from five to seven inches deep, and it should be done from three to four weeks before planting the seed, if possible. After the land is plowed, it should be well harrowed and made level and as smooth as possible, then allow it to stand for a few days. When rye is to follow a cultivated crop it is best to plow the land three or four inches deep and harrow it well so as to eliminate as much of the grass and weeds as possible. This of course puts the land in better condition. This process can be carried out best by the use of the disk and a straight-toothed harrow. As before stated, cowpea land or corn-stubble land can usually be planted to rye by simply disking and harrowing. It then can be covered, if so desired, hy a wide shovel plow running between the rows of the cowpeas or the corn stubble as the case may be. On land that has been properly broken other than corn or stubble land rye may be sown broadcast, but the better way to plant all grain, whether it be rye, wheat, oats or barley, is hy drilling with the machine. This machine opens the furrow, sows the seed and covers it with one operation. If sown broadcast it should be disked in and the land well harrowed, which will give a smooth seed bed.

Fertilizers:

Although rye will grow well on very poor soil, comparatively speaking, large yields of the forage or the grain cannot be expected on these soils, neither will rye succeed well on very rich soils. If grown for green production the land should only be moderately fertilized, nor should these fertilizers contain a too large quantity of uitrogen. This would make the crop top-heavy and liable to fall when the winds blow. Stable manure is the best fertilizer for tye, but acid phosphate should generally be applied with it. It is hest to mix forty to fifty pounds of ucid phosphate to each tou of stable mannre. into a form of compost. In this way each of the ingredients is better and more evenly distributed. should be a mixture of this kind of two to four tons applied to the acre. If commercial fertilizer only is available, it would be well to apply acid phosphate at the rate of about two to three hundred pounds per acre at the time the crop is sown, and this can be harrowed in with the seed. Cotion seed meal may also be used, but with that there is a liability of getting too much nitrogen, but this should be applied from two to three weeks before the grain is sown. If the rve is grown for pasturage or soil purposes, or for the straw that is in it, then a greater quantity of nitrogen-bearing compound could be applied in the fertilizer, but not otherwise, as it would cause the grain to fall or lodge. To obtain the best stand it is hest to re-clean the seed before it is sown. Rye often loses its germinating power, and when this is the case the grain becomes light and can be separated by putting through a wind mill. Even then the seed should be tested for germination. The best thing for sowing of rye depends on the use to he made of the crop. When intended for green production, it is best to sow it about October 1st in Florida in the Norhtern part and November in the North-Central portion of the State. It is intended as a pasture cover or green manure crop, or for combination purposes, it is best to sow it from two to three weeks earlier, because this gives it a longer season of growth for these several purposes. The rule for the sowing of rye in Florida would be to sow it early enough in each section of the

State so that the roots may become well established before frost or cool weather sets in. After the roots are established ryc will stand almost any degree of cold known in Florida. When rye is harvested, if the grain is to be saved, it can be bound in bundles and shocks, the same as wheat, and can be threshed in the same threshing machine that is used for threshing wheat. quantity to sow per acre is about six pecks; or in other words, one bushel and a half. On the sandy loam soils best adapted to tye, from three to six pecks will meet the requirements. When sown for forage or soil purposes. they more seed can be sown, because of the purpose for which the rye is to be used; in other words, it makes more grazing to the acre. As has been indicated in the beginning, rye is one of the best-cover and soil crops, as well as for pasturage, that the Biorida farmer can plant. It is possibly the hest corp of the kind for winter, even better than rape, hecause of its root system and its ability to prevent soil erosion, as well as supplying a large quantity for pasturage, at a season when green food is scarce for live stock. Every farmer that is interested in the growing of live stock should make it a point to grow a certain acreage of rye for winter pasturage. Let the acreage he in proportion to the number of head of live stock to be pastured; in this way he will protect his soil in the winter and benefit it as well.

OATS IN FLORIDA.

Br H. S. Elliot. Chief Clerk Department Agriculture.

No farmer should fail to plant this, the most valuable of all feed crops; he can hardly plant too largely, as outs are among the best and safest of all feeds for farm working animals, even better than corn as a single feed ration, as they never produce sickness as corn does. Of course, outs and corn in proper portion are a safer and



Herd of Pigs, Raiford State Farm.

far better feed in combination than singly, and every farmer should always strive to make enough to carry his stock through from season to season. It saves making large quantities of other forage not near its equal in feeding value and much more expensive to produce.

Feed your oats mostly in the sheaf, and your stock will eat the greatest part of the straw, but you should arrange to feed your oats and corn in combination the year round; but plant oats.

In this way you can make more feed to the acre of laud than you possibly can on the same acre, no matter what crop von plant on it. You can make it at smaller cost and less work with greater certainty of a good yield than any other. It grows in the winter season when nothing else will, and it requires no cultivation. In this respect it excels corn, and no hudworm and weeds are waiting ever ready to destroy it. Oats are easy to plant and easy to grow. Oats and vetch go well together in Florida, Together they will give you a splendid forage crop in the Spring: Cowpeas and velvet heans both will do well after oats, or you can follow with corn, or potatoes. But plant oats, and get the recleaned. Fulghum, Appler, Burt, Bancroft, Hundred Bashel, or some other rust-proof variety. Oats is a crop that every progressive np-to-date, real farmer should grow, specially the farmer who does most of his own work. It is equally as good for the farmer who can grow a thousand or more acres, it is a crop that can be planted and harvested by hand or with machinery.

Grow oats and live stock, for between the two they will build up your lands, put money in your pocket and contentment and happiness in your homes. Therefore do not forget that oats is one of the two greatest food and feed-producing crops in the world, therefore one of the most profitable.

There is no special method necessary in planting oats, except that the better the preparation of the seed bed, the better will he the crop. If your lands have been recently

cultivated—say in pointoes or some such crop—or where cowpeas or velvet heans or other legumes have been grown and there has been a thorough cleaning up of sticks and brush of all kinds, a disking of the land one way will be sufficient.

The oats then can be sown on good land at the rate of a bushel and a peck an acre; or, if the land is rather thin, a bushel and a half to three-quarters per acre. Then turn under with a disk harrow across the previous way of the harrowing, and finally smooth the surface all down with a slanting, straight-tooth harrow. This will make the surface of your seed-bed smooth and you will have no difficulty in harvesting your crop.

If the lands have not been previously cultivated then the first thing is to plow them up well with the turn plow. After this the disk harrow and other methods as prescribed above.

Should you have to fertilize the soil, a good manure under the circumstances would be about 400 pounds of acid phosphate—high grade—to the acre, with about 50 pounds of nitrate of soda Thoroughly mixed with the acid phosphate.

Next Spring when the oats are growing up well and are beginning to show signs of swelling then sow broadcast 100 pounds of nitrate of soda per acre—this will add at least one-third to your crop.

While you are growing grain of this kind, when you remove the oats, why not follow with a rice crop? This is one of the best and most profitable grain crops that can be grown in Florida, and is well adapted to the lands in all sections of the State. Grow some.

OTHER VALUABLE WINTER CROPS.

There are numbers of valuable grazing crops that should be planted by every farmer for pasture purposes in winter time; among these are harley, rape and vetch. They should be planted singly for the pasturing of hogs, pigs and calves, or they can be combined into a mixture sown all together—either way is good.

The combination is especially good, as it gives the animals that graze on it a variety of plants to choose whichever they most desire. The pasture mixture comprising harley, rye, rape, vetch, wheat, or oats in equal parts makes a most valuable mixture for pasture purposes. But if not convenient to the farmer any one of these can



Herd of Pigs, State Farm, Raiford.

be planted in the sized patches or areas to sait the requirements. All are good and every farmer should utilize these plants to a greater or less extent.

It will help materially to grow the foliage supplies through the winter, and it will be of great benefit to the live stock. In addition to this it is well not to forget to plant root crops as largely as can be provided for; turnips, rutabagas, beets, collards are all good for poultry, calves and milk stock—likewise pigs.

In addition for the farm table or market, we suggest that you grow cahhage, onions, lettuce and in the proper seasons Irish potatoes; all of these will cut down store bills and go a long way to supplying the family need with nutritious and palatable and healthful food. It is surprising to what extent grocery bills can be reduced by giving good attention to the gardening end of the farm in the Spring and early Summer.

Irish potatoes this Fall in the North and West have been a poor crop and the chances are that this crop will be in great demand hefore Florida can get her crop on the market next Spring. We, therefore, believe it would pay to plant a moderate acreage of Irish potatoes.

Do not forget to plant a good acreage of sugar cane or sorghum or both; but he sure to plant one or the other.

GROWING ONIONS IN FLORIDA.

By H. S. Elliot, Chief Clerk Department Agriculture.

This is one of the best crops to plant in Florida for foreign markets as well as home markets, although it is also considered by many writers on agricultural subjects to be one of the most difficult crops to grow. But this is questionable. Of course it has its drawbacks, the principal one of which is having to weed it carefully several times, but if the plants are first grown in seed beds and then transplanted after attaining the height of five to six inches, using good, well-rotted lot manure, as also commercial fertilizers, when you transplant them, weeding and cultivating will not be needed so often, and in that way much labor will be saved. A good many growers complain of the cost and trouble of transplanting them, hnt we believe that the hulk of experience shows that it does not cost any more to transplant the plants than it does to thin them out and weed them. Another fact in



Field of Tobacco in Leon County.

connection with this is, that with most root plants the vield is hetter from heing transplanted than hy growing from seed direct. There is one great advantage that the onion has and why it is suited to Florida soil in general heing adapted to the successful growth in all sections of the State, cold weather does not often damage them. The principal variety of onions grown in Florida is the Ber-These are raised from seed grown in Teneriffe. The Bermuda onion is considered the best adapted of any other variety to Florida, and is one that we advise all those who wish to grow onions to plant. Bermnda onion growing in Florida is no new industry. They have been grown in this State and shipped to northern markets since in the early eighties, but the demand for them has never been so great until in quite recent years, and is greater today hy far than ever.

PLANTING.—Seed may be planted at any time from the middle of August to about the first of January, depending of course, upon the section of the State in which the grower lives or farms, and you can either plant the seed in the field where you wish the plant to grow, or you can plant them in seed beds. Planted in beds, the amount of seed required will be less than where planted in the drill to he thinned out. In the hed it will require from four to five pounds to the acre. In the drill in the field it will require from one-half to one pound additional.

SEED BEDS.—In order to raise the best crops it is necessary, of course, to have good thrifty plants. That means that the seed beds shall be properly prepared, and to ohtain this condition it is well to bestow extra care on its preparation. The land best adopted in making the seed beds is that which has not heen under cultivation for from two to three years, and on which a crop of leguminous plants, either cow peas or velvet heans, were grown the previous year. Construct your beds in a convenient and protected location, where they can receive prompt attention if necessary. It is also good to scatter

thickly over the heds, some ten days or two weeks before arranging to plant the seed, a heavy dressing of hardwood ashes, and rake them into the soils of the beds. Make the beds just about wide enough to reach across conveniently from either side when sowing the seed or weeding the hed. Make the drills in which you sow the seeds cross wise of the bed and about six inches apart. Four feet is a good width for the heds, because you can reach at least half way across from either side of the hed. You will find it also a good plan, when first making up the heds to apply a moderate quantity of a good commercial fertilizer in the soil, so that it will thoroughly mix in the soil during future preparation. When you have sown the seed, planting them about three-quarters to an inch in depth, press down the dirt over the seed. One of the best tools for this purpose is a light roller. We make this suggestion because, when the seeds begin to germinate the plant is very tender, and should the rays of the sun be hot or the season dry, the germ or young plant would be killed by the heat. Another suggestion we have found to be good as a great protection against either the sun or the rain, is to stretch cheese cloth lengthwise over the beds. This will protect them against both sun and excessive rains. It also conserves moisture, which will have to be applied in dry seasons. The cheese cloth can be supported by small stakes to which the cloth can be tied anywhere from 8 to 12 inches above the seed hed. When the plants have attained about six inches in height they are ready for transplanting to the field, or if the seed was sown in the field they are ready for thinning and for their first cultivation.

TRANSPLANTING AND CULTIVATION.—The land where the plants are to be planted should be broken and thoroughly prepared, from four to six weeks prior to transplanting. In about three weeks before the transplanting to the field the fertilizers for the field should be applied. If chemical manners are to be used, it should

be sown broadcast, and harrowed in with a light disk harrow, and then re-harrowed with a slanting toothed harrow. If possible, about one ton of good commercial fertilizers should be applied to the field as suggested The formula should be about as follows: Ammonia, six per cent; available phosphoric acid, five per cent; and muriate of potash or sulphate, from eight to ten per cent-all broadcasted and harrowed in in the manner above suggested. In planting the field the rows should be about from fifteen to twenty inches apart, and the plants should be set in the row from six to eight inches apart. Be careful in cultivating the onions, as their roots are shallow or near the surface, and deep cultivation would destroy the root system and retard the growth of the plants. During the period of their growth onions to do their best should have at least two applications of nitrate of soda. The last one should be applied about the time the bulbs are getting into good shape. This will carry them through until they are matured. varieties that we suggest as the most profitable to Florida growers are about as follows: The Crystal Wax, which is pure white, and the ordinary white, which is to some extent a straw color; it is called white, but it is not entirely so. The Red Bermuda also is a very hardy and thrifty and fine onion, and except for the color is the equal of either of the others. Three other varieties that succeed remarkably well in Florida are the Creole, the Yellow Globe, and Prize Taker.

MATURITY—As soon as the onion tops begin to turn yellow and dry up, the corp can be considered matured. This is usually from the middle of April to the middle of May, depending upon the section of the State in which they are grown. In the far South they have been placed on the market as early as the first of April, but generally the marketing period is within the date first above mentioned. Berunda onions, or all of those considered herein, are tender and should be handled carefully in the prep-



Tobacco Field in Gadaden County.

aration for market. They should only be pulled when the weather is good, if it can be so arranged. When they are pulled, which is the only proper way to gather them, they should be left long enough, if the weather permits, to dry out. If left in piles for a day or so, they will be in good shape for trimming preparatory to packing and shipping. In trimming them the tops can be best removed by clipping with a pair of scissors or shears, not too close to the bulb. Our advice at the present time to truckers and others to grow onions is based upon the demand, not only arising in this country, owing to war necessities, but for shipment abroad as a part of the supplies which are needed by the United States Government. The indications are that the good prices now existing will be maintained.

GROWING BROOM CORN IN FLORIDA.

(Andropogan Sorghum Vulgare.)

By H. S. Elliot, Chief Clerk Department Agriculture.

Broom corn, as is well known, resembles sorghum in appearance, both plants being varieties of the same species. The culture of the two plants has much in common. Broom corn usually grows 8 to 12 feet high, though the dwarf variety attains only half that height. The chief economic difference between broom corn and other varieties of sorghum consists in the greater length, strength and straightness of the fine stems composing the head, or papicle, and supporting the seeds. The longer, straighter and tougher these stems or straws and the greener their color after curing, the higher the price the product commands. The variety, the character of the soil and season, and thickness of planting, influence these qualities.

VARIETIES.

The different varieties of broom corn afford dissimilar products. The dwarf variety produces the short brush used in the manufacture of small brooms and whisks. It is somewhat difficult to harvest and is cultivated only to a limited extent. Of the large variety, the Evergreen, known as the Missonri or Tennessee Evergreen, has given general satisfaction. The Mohawk is regarded as the earliest, but as affording a smaller yield. There is some advantage in planting more than one variety and at several different dates so as to extend through a long season the time of barvesting. At a number of the Experiment Stations the Evergreen proved the best of several varieties tested, and was much improved by the selection of seed through several years, the brush becoming longer, stronger, straighter and brighter. In the field from which seed was selected the inferior beads were cut away before shedding their pollen, and thus kept from crossing with the more valuable heads.

CLIMATE, SOIL AND MANUEING.

A climate snitable for Indian corn is also adapted to the growth of the broom corn plant. Dry weather at harvesting time is a favorable climatic condition. A well-drained, rich, sandy or gravelly loam soil such as will produce a heavy yield of Indian corn, and is as free as possible from weeds, is best for broom corn. If the soil is not fertile it should be liberally mannred. Fine, thoroughly rotted barn-yard manure, and other nitrogenous fertilizers may be used with advantage, preferably in the rows or drills, in order to hasten the growth of the young plants which are usually small and delicate. In general it may be said that the system of manuring followed should be practically the same as that found best adapted to corn in the same locality, and will depend largely upon the character of the soil.

MANNER OF PLANTING.

There are two methods of planting which may be followed, namely: surface planting and listing. Either of these methods, if carefully followed, will give good results. In sections where listing is practiced the soil should receive some previous preparation, and the listed rows need not be more than three or four inches deep. This is plenty deep enough to secure all of the advantage of this system, and there will be little danger in covering the young plants at the time of the first cultivation. The broom corn seed can be planted with an ordinary corn planter which is provided with Kaffir corn plates, or it may be put in with an ordinary grain drill by blocking the proper number of feed holes so that the rows may be given the correct spacing. The seed of the dwarf varieties are usually planted in rows 36 inches apart, and enough material is used to secure a stand of one plant to every four to eight inches in the row. The standard sorts are given greater spacing, the rows being placed at least 42 inches apart, and twelve to fifteen inches in the row. It will require three to five pounds of seed to give the proper stand. Where the seed is first class in quality, and will give a germination test of 90 to 95 per cent, the minimum quantity may be planted; however, if the seeds contain a large amount of trash and bave been damaged to a slight extent so that the vitality has been impaired, much more seed should be sown.

CULTIVATING THE CROP.

The cultivation of broom corn is similar to that given to corn or sorghum. The early growth of the plant is slow, hence the need of prompt and shallow cultivation to keep the weeds in subjection and to maintain a thin layer of loose soil on the surface.

In the culture of broom corn the value of rotation of crops is not thoroughly appreciated, and it is sometimes

grown for many years in succession on the same land. If the stalks are plowed under and the seeds returned to the soil either in their green state or are fed to animals and the manure obtained applied to the soil, the draft on the soil is not very heavy. However, continuous culture, even of crops removing hut small quantities of fertilizer ingredients, will eventually impoverish the soil, especially when, as is sometimes the case with broom corn, the stalks are burned on the land. Better crops will generally be secured when broom corn enters into the regular farm ro tation, or when an occasional crop of clover, cow pears, or other leguminous plants are grown on the land usually devoted to it.

As soon as the young plants are two or three inches high cultivation should be commenced. If a good stand has been secured, some thinning may be done with the smoothing harrow or weeder by giving cross cultivation. Where the stand is ideal, these implements can be run lengthwise of the row, and they will assist in stirring the soil at a time when the regular cultivator cannot be manipulated. Such treatment will not only stir the snrface and aid in holding the moistnre for the crop, but it will destroy many small weeds which make their appearance early in the season. The broom corn will prohably be large enough to permit the use of the regular corn cultivator fifteen days or three weeks after planting. machine which is provided with five or more narrow shovels per section adjusted to run at a shallow depth will give better results than an implement which carries two or three shovels per section. Cultivation should be continued through the growing season at intervals of ten days or two weeks. This will keep the surface in proper condition, will afford ample protection against weeds, and will assist in conserving the stores of moisture. Later in the season the soil may be stirred with a one-horse fivetooth cultivator. This practice is, not common in hroom corn sections, but is a practice which has been adopted

by many in cultivating common corn, and it ought to give equally good results in broom corn culture.

QUALITY OF BRUSH.

The market demands a hrush of fresh green color; hence the heads should be free from red stains or other color. In order to secure hrush of the desired color it is necessary to harvest just as the plants are coming into full bloom. If the crop is allowed to remain on the stalks for a longer period than this and moist weather occurs, then the heads that remain enclosed within the leaf sheath will have a tendency to turn red, plant lice also work on such heads and may hring about a reduction in the quality of hrush. Over-ripeness and exposure to the hot sun will discolor the straw; thus it is absolutely necessary that the crop he harvested at a time when the heads are prime in quality.

HARVESTING AND CURING.

The chief difficulty encountered by the novice in broom corn culture is in determining when to harvest the hrush. Even experienced growers are not unanimous on this point, some cutting the heads while in blossom, and others harvesting later so as to obtain better developed seeds possessing considerable untritive value. The time generally preferred is just after the fall of the so-called "blossoms" (anthers). When the saving of more matured seed is a consideration the head may be bent down by sharply bending the stalk at a point 12 to 18 inches below the base of the head. Thus the seeds while filling hang down and tend to keep the hrush straight. This "lopping." if practiced at all, is done after the head has attained its full length, but before the seeds acquire much weight. It is not practiced by large growers. A common enstom with tall varieties at time of harvesting is to hend down

the stalks of two rows diagonally toward each other in such a manner that the bent parks support each other in a nearly horizontal position. The stalks of one row cross diagonally those of the other and form a platform, or "table." The break, or rather the sharp bend, in the stalk is made about $2\frac{1}{2}$ or 3 feet above the ground. The brush borne on one row projects over and beyond the other row in a position convenient for the cutter who follows immediately. The heads with five inches of stalks are laid on the table, or platform, until they can be removed to a drying shed.

Cutting while the plants are wet with dew or rain should be avoided. The hrush of the dwarf variety is pulled, not cut. If the season is dry and the corn approaches maturity the brush remains straight, hut if the weather is hot and damp at this period the straws are likely to hend and to form crooked brush. In harvesting and in curing great pains are taken to keep the brush straight. Crooked or tangled brush is carefully sorted out.

From the field the hrush is taken to the scrapers, which removes the seed. Large growers of broom corn employ special scraping machines, consisting of one or two cylinders provided with iron teeth and usually driven by horsepower. The most complete scrapers are provided with an automatic feeding arrangements. With cheaper machines the operator holds the seed end of a handful of brush against the cylinder until the seed are removed. It is stated that the ordinary threshing machine, with concave removed, has been used in a similar manner. For small quantities of hrush a long-toothed currycomb, or a wooden comb made hy sawing teeth in a plant has been used. The brush should be cared in the shade, as exposure to sun injures the color and strength. Free circulation of air is necessary in this process. Hence when large qualitities are to be cured special curing houses thoroughly ventilated and provided with racks made of narrow

planks and lathe are constructed. On these racks layers of brush 3 inches thick are laid. Curing is continued until the brush will not heat when bulked, or baled.

When cnred the brush is pressed into bales, usually 46x30x24 inches and weighs about 300 pounds. The buts are placed evenly at the ends of the bale and the pieces of "brush" lap in the middle. The labor of harvesting and curing makes it considerably more expensive to grow an acre of broom corn than a similar area of Indian corn. Greater skill is also required in handling the former crop. As regards feeding value the broom corn plant is inferior to Indian corn and to the non-saccharine sorghums such as Kaffir corn, dura, milo maize, etc., being poorer in the valuable nutritive constituents (fat and protein) and richer in the indigestible fiber. The chemical composition of the ripe seed, however, indicates that it is but slightly inferior to corn kernels as food.

The following table shows how broom corn compares with Indian corn in this respect:

FOOD CONSTITUENTS OF DROOM CORN AND INDIAN CORN.

			Wat	er-Free	Material.	
	Vater	Ash	Protein	Flber	Atropen. free Extract	- 1 to 1
P	er Cent	Per Cent F	Per Cent	Per Cent	Per Cent	Per Cent
Broom corn plnat	9.4	6.3	4.3	46.6	40.8	2.0
Corn plant	$ ^{\circ}$ 42.2	5.6	8.8	1		
Broom corn seed	14.1			8.3	- 74.1	4.1
Corn kernels	10.9	1.7	11.7	2.4	78.1	6.1

Little use as a food is generally made of the broom corn fodder beyond letting the cattle run in the field after the harvest. As the above table shows, the seed, when allowed to ripen, has ronsiderable nutritive value, but since it is:

necessary in securing the best grade of brushes to harvest the heads green it has been found difficult to care the seed obtained from them. Success in preserving the green seed in air tight silos has been reported, so that hy this process a cattle food of considerable value may be economically obtained. The yield of seed varies greatly, and on the average probably approximates the quantity afforded by sorghum grown for syrup

MARKETING THE CROP.

The grower ought to acquaint himself with the market requirements in the case of this crop, and the beads which come up to the standard should be selected for planting the seed patch next year. Since broom corn should be pulled before the seeds mature, every grower should set aside a small plat for the production of his seed. After the first season, choice heads can be selected for planting the plat next year, and the remaining portion of the seed from this plat can he used for the commercial field. By adopting this method the quality of the hrush can be improved from year to year. Inasmnch as broom corn crosses readily with other plants which belong to the same class, the seed plat should be well protected. A good grade of brush comes or may be had only through careful selection. The seed plat may also afford an opportunity for testing the productive capacity of the various types, and will enable the grower to single out those strains which have outstanding features. Better cultivation will undoubtedly add to the ontput of brush; a systematic plan of seed selection will surely improve the quality of the broom corn.

ANALYSES OF FLORIDA MUCK SOILS.

SOIL ANALYSIS.

COMPILED

By R. E. ROSE STATE CHEMIST.

Frequently samples of soil are sent to the Chemical Division for analysis, with a request to advise as to the best methods of fertilizing. There is hat little information to be derived from a soil analysis that would be of benefit to farmers. So much depends on tilth, drainage, culture and other physical conditions, that chemical analysis made under laboratory conditions is of little value.

A chemical analysis of soil may indicate a very fertile soil, rich in plant food, while the facts are the soils are not productive. This is instanced by the rich Sawgrass muck lands and river bottoms of the State that are fertile chemically, but not productive until properly drained; also, by the arid lands of the West, rich in the elements of plant food, but not productive until irrigated. Other soils, with less plant food, but on account of proper physical conditions, culture and tilth, are exceedingly productive.

R. E. Rose, FLORIDA STATE CHEMIST 1908.

The average of thousands of analyses of Florida soils made by the Florida Agricultural Experiment Station and the State Laboratory is as follows:

Nitrogen (per ceut.)	0.0413
Potash (per cent.)	0.0091
Phosphoric Acid (per ceut.)	0.1635

This is a fair average of all the Norfolk and Portsmouth soil series of the State, which comprise hy far the greater portion of the State.

The following conclusions as to the value of chemical analyses of soils, alone, without considering other factors—drainnge, culture, physical and biological conditions of the soil under consideration, as to its productiveness, are those now generally accepted by experiment station, practical and scientific agriculturists, chemists and biologists:

". Hence, for a chemist to have stated that a given soil was necessarily productive because he had found present in it all of the elements that plants required in growth, would have been a great mistake, for a practical test would have often proved his statement false."

"There is probably no one subject in connection with their profession, that is so little understood by farmers generally, as that of the real value to be attached to a chemical analysis of a soil. Indeed, I may say, that there is scarcely a question that is the subject of so much discussion and disagreement, even among the agricultural chemists of the country, as that of the real importance to be attached to such an analysis."

"It will be seen that the weak point in an analysis is that, while it reveals what a soil actually contains and in what proportions the several constituents are present, it does not state with absolute accuracy just how much of that plant-food is in an available form, i. e., in a form suited for plant assimilation."

"While a chemical analysis cannot definitely answer everything in connection with the above queries, still it can aid very much in solving all such problems, and, together with a physical analysis, can contribute much valuable information along such lines."

(A. A. Persons, Florida Agricultural Experiment Station, 1897.)

"It is generally admitted that the productive-B—Com,Agr.

ness of a soil cannot he determined by a mere chemical analysis alone. True, the analysis will show what elements are present and in what quantities, but it does not show what is abso-Intely available for the immediate use of the plant. Of two soils showing great similarity in chemical composition, the one may be highly productive and the other very unproductive. reasons for this may possibly be found in different moisture conditions, or a difference in physical texture, or in the difference in the amount of available plant food, or in a combination of all these differences. The chemical analysis may, however, be of value in showing what the possihilities of the soil are under the proper treatment."

"This subject has been studied by the agricultural chemist, the soil physicist, and the practical farmer, and all have contributed to the fund of knowledge."

(A. W. Blair, Florida Agricultural Experiment Station, 1906.)

"The Experiment Station does not analyze samples of soil to determine the fertilizer require ments. There is no chemical method known that will show reliably the availability of plant food elements present in the soil, as this is a variable factor, influenced by the kind of crop, the type of soil, the climate and biological conditions; hence we do not recommend this method of testing soil." (Agricultural Experiment Station, Purdue University, 1908.)

The foregoing facts and opinions are drawn from practical experience, and scientific deduction, after careful investigation by competent scientific observers, establishes the fact that a chemical analysis of soil is of little value to the practical farmer, and that correct deduction can

not be drawn without a personal knowledge of all the physical and biological conditions—drainage, tilth, culture, season, and other local factors, necessary to be considered in passing upon the fertility or productiveness of a soil.

Tallahassee, Fla., June, 1915.

MUCK SOIL ANALYSES.

Numerous inquiries for the analyses of muck soils, particularly of Everglade and other saw grass mucks, having exhausted the reports of the State Chemist for 1912 and 1914, while Bulletin No. 43 of the Florida Agricultural Experiment Station, A Chemical Study of Some Typical Soils of the Florida Peninsular, by Prof. A. A. Persons, is also ont of print, I have compiled a number of analyses of Florida muck soils as reported in these publications.

It will be noted that there is little difference in the Nitrogen (Ammonia) content in pure mucks, that is, mucks not mixed with sand. Where the Insoluble Matter (sand) is considerable, the Nitrogen (Ammonia) is proportionately less. Sand is therefore the principal adulterant found in Florida muck soils. Sandy subsoils contain notably less Nitrogen than the pure mucks found in deep beds—three to ten feet. Shallow muck beds—one to two feet—necessarily contain more sand and less Nitrogen.

Beds of muck deposited in still water, not affected by drains or runs of sandy water during fresher's, sand hars, or ridges, have a uniform high Nitrogen content. The uniformity of the Nitrogen content is notable and is naturally greatest in those specimens having but a small percentage of sand.

R. E. ROSE, State Chemist.

Tallahassee, Fla., September, 1917.

ANAYSES OF FLORIDA MUCK SOILS.

BY R. E. ROSE, STATE CHEMIST.

Hundreds of analyses of muck soils from all parts of the State have been made—saw grass muck, pond muck, hay head muck, etc. The physical characteristics vary considerably, depending entirely on the state of decay or decomposition.

Muck constantly covered with water does not decay or rot.

Muck occasionally exposed to the air (partial drainage) decomposes and becomes a fine-grained soil.

Perfect drainage will cause any muck bed to decay, rot, or decompose and become a fine-grained garden mould. Imperfect drainage will not.

The average of all muck soil analyses shows as follows:

Nitrogen (as ammonia)	3.10%
Phosphoric Acid	0.18%
Potash	0.08%

It will be noted that there is sixty times as much Nitrogen (Ammonia), with practically the same percentage of Phosphoric Acid, and nearly nine times as much l'otash as found in the average sandy soils of the State.

This great excess of nitrogen, when made available hy proper drainage, deep plowing and proper culture, assisted by phosphoric acid and potash, thus providing the necessary media for the growth of the nitrogenous ferments (nitrogen-forming bacteria), insures large crops on properly drained and cultivated muck soils, wherein the nitrifying agencies of the air, together with properly encouraged hacteria, have made the enormous supply of nitrogen available to plant growth.

Nitrogen induces foliage development, hence is largely uccessary for such crops as callage, lettrice and celery, while potash and phosphate tend to produce starch, sugar and seed, and to make firm, heavy fruit, that will bear shipment, with less danger of decay. Hence the economy

of adding phosphate and potasb to muck soils, which require-

First. Perfect drainage, to get rid of stagnant, acid water, and allow the air to enter the soil to oxidize, or rot it.

Second. An addition of phosphoric acid and potash to form a medla to aid in developing the nitrogenous bacteria, necessary to make the nitrogen available, and to aid in forming starch, sugar and seeds. While properly drained, deeply plowed muck soil will produce large crops without adding phosphate or potash, the great excess of nitrogen and, comparatively, small amount of potash and phosphate, necessarily makes the addition of these two elements economical and profitable, by the increase in yield and better shipping quality of the vegetables and fruits. Hence the application of 500 to 1000 pounds of 16% acid phosphate and 100 to 200 pounds of 50% Sulfate (or Muriate) of Potash, or 1000 to 2000 pounds of nnteached ashes, carrying 6% of potash and 40% Carbonate of Lime, is an economical addition.

MUCK AS A FERTILIZER.

(3)

The application of sonr, freshly-dug, undecomposed muck, or peat, to sandy soils as a fertilizer or amend meut, or to add humus to a sandy soil, is of little or no value. As said by a noted Florida grower, "It is a harmless though costly amnsement." Such raw, undecomposed, acid muck, applied to sandy soil, simply dries out (carbonizes), its nitrogen dissipates, leaving nothing but carbon (charcoal) in the soil. Hence, the application of raw, sour, undecomposed muck to ordinary sandy soils is not advisable, as it is not economical.

MUCK COMPOSTS-MANURE.

If newly-dng, raw, acid, nudecomposed muck be composted, using 500 pounds of 16% acid phosphate and 100 pounds of 50% sulfate (or muriate) of potash to each

cord of wet muck (128 cubic feet), well distributed throughout the heap, the heap kept moist (not wet), hroken down and turned several times, in two months a cord (some three tons) of excellent manure, will be obtained. Where practical, a few barrow loads of fresh stable manure added to this heap, will hasten decomposition, add nitrifying bacteria, and aid largely in making available the inert nitrogen in the raw muck.

(The heap should be kept moist at all times (not wet). Never allow it to overheat or "fire fang," nor to dry out. If necessary, turn the heap, dampen it (to cool it off),

and again heap it up.

The "compost heap" is the "Bank" from which the French, German, Belgian, Dutch and Swedish farmers—the best farmers in the world—draw their supplies of plant food. On the size and quality of the compost heap, the credit of these farmers is based.

When the dairy cow, the pig, the silo, and the compost heap, which can be greatly enhanced in size by the muck pond, become more in evidence in the South, and particularly in Florida, the problem of rural credits, commercial fertilizer, and crop mortgages, will naturally be settled by the farmer becoming the lender, and not the borrower; the financial master, not the slave.

MUCK IN STABLES AND BARN LOTS.

An economical method of utilizing mnck is to employ it as a bedding in horse and cow stalls, to absorb the liquids, the most valuable portion of the manure.

Place six to twelve inches of raw muck (fairly dry) in each stall, in which mix acid phosphate and potasb in the proportions given for the compost heap. By this means ten tons of first-class stable manure may be obtained, where one would be, under ordinary conditions.

The secret of a good compost heap (or mann'e heap), particularly in Florida, is to keep the heap moist (not wet), and avoid over-heating—"fire fang."

This can readily be accomplished by hreaking down the heap, dampening, and again heaping up. The Sulfate of Lime (Gypsum) which composes some sixty per cent of acid phosphate (which, hy the way, is not acid) will prevent the escape of nitrogen as ammonia, hut will absorb it as Sulfate of Ammonia; soluble, but not volatile.

The contrary effect is had by the use of Lime Carbonate, or Oxide (burnt lime), or wood ashes, which have a tendency to decompose the nitrogenous matter and allow it to escape as ammonia. Hence the application of lime carbonate, or oxide, or wood ashes, to a manure pile is a blunder, while the application of acid phosphate—Gypsum (Lime Sulfate), and phosphate—is advisable.

IMPERFECTLY DRAINED MUCK SOILS.

There are many instances, particularly in Florida, of imperfectly drained muck soils—tracts adjacent to canals or drains, in which insufficient lateral or field ditches have been cut. The surface water has been to a greater or less degree removed by the canals or drains, while the sour, acid water in the soil still remains.

Frequently this land becomes dry from evaporation, though the acids are not removed. On the contrary, the acids are concentrated by this evaporation. Such soils naturally fail to produce cultivated crops.

Often an attempt to correct this acid condition by the application of lime is made. Such an application to such soils, not provided with the necessary field ditches, is but an expedient, and of no permanent behefit. The acids naturally continue to form, and in a comparatively short time neutralize the lime.

There is but one reliable method of removing acid from muck soils (slowly decomposing vegetable matter), and that is by thorough drainage, allowing the rains to fall upon, pass down and through the soil, into the drains, which must be kept open (even in the dryest weather).

by this means washing out (draining away) the constantly accumulating acids.

There are a large number of such imperfectly drained tracts of muck soil in the State, unproductive and disappointing, partially drained, and generally dried by evaporation to a considerable extent, still for the want of drainage, sour, undecomposed, and unfit for cultivated crops. These same soils, properly drained by the necessary field ditches, at intervals of say 105 feet (one half acre) at least three feet deep, with fall or slope sufficient to drain the soils not less than three feet below the surface, will in a short time (after one or more rainy seasons), be freed of their superabundance of acid and become productive.

The application of phosphate and potash, after thorough drainage, together with an application of ground lime stone, will materially hasten the process of decomposing the vegetable matter, forming a rich, productive mould, or soil, a condition impossible ou partly (shallow) drained muck, in which there are no field drains to remove the sour, acid waters from the zone which should be occupied by living hacteria, and the roots of healthy plants.

Such thoroughly drained soils, deeply plowed and thoroughly decomposed (rotted), changed from a peat or muck into soil, will not suffer for moisture, even in the dryest seasons in Florida, though crops on imperfectly drained land do suffer by the concentration of acid in the soil, by evaporation, during dry weather, thus bringing the acids of the lower soils to the surface (acids which should be removed by drainage).

This problem now confronts the farmer on much of the irrigated soils of the West, where drainage has been neglected—in this case the alkali, dissolved by the irrigation waters, not being provided with drainage, is brought to the surface by evaporation, where the alkali remains, soon changing the fields into alkaline hogs, of no agriculthral value. When provided with drains, this condition is corrected, and the irrigated land becomes wonderfully productive.

The same thing occurs in Florida, except that acid—not alkali—is the substance that must be gotten rid of. For onately, with our humid climate, with some 60 inches of rainfall, the acids of our muck soils can be rapidly gotten rid of by washing them out, through properly constructed drains, with sufficient fall or slope.

Tallahassee, Fla., June 18, 1915. -

EXTRACT FROM STATE CHEMIST'S REPORT, 1912.

ANALYSES OF EVERGLADES SOILS.

The following analyses of Everglades soils, 34 samples taken at various points in the Everglades, from Lake Okeechobee to the Miami River, near the hanks of the State Canals, are located on the accompanying map.

The samples were taken in duplicate by representatives of the United States Agricultural Department, and the Drainage Commissioners of the State of Florida.

The surface soils samples are taken from the surface to 12 inches deep, the subsoils from 12 inches to 36 inches deep.

The	average	of	the	series	shows:
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Ammonia (NH ₃)	3.10%
Phosphoric Acid (P2O5)	0.18%
Potash K ₂ O)	0.08%
amples are on an air dev basis.	

All samples are on an air dry basis.

The Ammonia (Nitrogen) determinations are made by the official modified Gunning Method for fertilizer. The Potash and Phosphoric Acid determinations by the official method for fertilizers.

М.	1784—Maximum Ammonia 4.41 Soil Sample No. 29.	%
М.	1793—Minimum Ammonia 0.44 Sandy Sub-soil No. 38.	%
М.	1792—Maximum Phosphoric Acid 0.53 (Evidently added phosphates on cultivated soil.) Soil No. 37.	%
M.	1795—Minimum Phosphoric Acid 0.04 Sub-soil No. 42.	%
М.	1770—Maximum Potash 0.1759 Sub-soil No., 14.	%
М,	1790—Minimum Potash 0.03 % Soil No. 35,	% %
M.	1793—Minmum Potash 0.03 (Sub-soil No. 37.	%
	EVERGLADE SOILS.	
	amples taken from Lake Okeechobee to Miami, neaths of State Canals.	ar
M.	1765—Everglades Soil No. 9. Surface soil, S. New River Canal, NE. ¼ Se 4, T. 46, R. 35. Moisture	% % %
М.	1766—Everglades Soil No. 10. Sub-soil No. 9. Moisture	-

	Amimonia 3.52 % Phosphoric Acid 0.10 % Potash 0.085%
M. Su	1767—Everglades Soil No. 11. rface soil, shores of Lake Okeechobee. Demonstration Farm, West of S. New River Canal. Cultivated field. Moisture
м.	1768—Everglades Soil No. 12. Sub-soil No. 11. 11.46 % Moisture 2.94 % Ammonia 0.098% Phosphoric Acid 0.115% Potash 0.115%
М.	1769—Everglades Soil No. 13. West side of S. New River Canal, near Lake Ökeechobee. Virgin soil. Moisture 11.29 % Ammonia 2.86 % Phosphoric Acid 0.28 % Potash 0.165 %
M.	1770—Everglades Soil No. 14. Sub-soil of No. 13. 10.38 % Moisture 2.36 % Ammonia 0.37 % Phosphoric Acid 0.175% Potash (Maximum) 0.175%

М.	1771—Everglades Soil No. 15. South New River Canal, near Lake Okeechobee. Cultivated land. Moisture 13.04 % Ammonia 3.37 % Phosphoric Acid 0.30 % Potash 0.105%
М.	1772—Everglades Soil No. 16. Sub-soil of No. 15. Moisture
М.	1773—Everglades Soil No. 17. Sec. 11, T. 45, R. 38, East of Hillsboro Canal. Moisture 13.43 % Ammonia 4.37 % Phosphoric Acid 0.20 % Potash 0.07 %
М.	1774—Everglades Soil No. 18. Sub-soil of No. 17. Moisture
М.	1775—Everglades Soil No. 19. Sec. 14, T. 46, R. 39, 25 miles from Lake Okee- chobee, East of Hillsboro Canal. Moisture

М.	1776—Everglades Soil No. 20. Sub-soil of No. 19. Moisture
M.	1777—Everglades Soil No. 21. Sec. 9, T. 47, R. 32 miles from Lake Okee- chobee, North of Canal. Moisture
<u>.</u> .	1778—Everglades Soil No. 22. Sub-soil of No. 21. Moisture
M.	1779—Everglades Soil No. 23. Sec. 29, T. 47, R. 41, North of Canal. Moisture
M.	1780—Everglades Soil No. 24. Sub-soil of No. 23. Moisture 12.74 % Ammonia 3.00 % Phosphoric Acid 0.06 % Potash 0.06 %
M.	1781—Everglades Soil No. 25. Cleared laud on border of Lake Okeechobee, West of N. New River Canal. Virgin soil. Moisture

		Ammonia 2.89 Phosphoric Acid 0.32 Potash 0.105	%
м.		Everglades Soil No. 27. 1½ mile S. of Lake Okeechobee, on West side of N. New River Canal. Moisture	% %
		Potash 0.085	
М.		Everglades Soil No. 28. Sub-soil of No. 27. Moisture	%
М.	:	Everglades Soil No. 29. East side of N. New River Canal, 10 miles 8 of Lake Okeechobee. Moisture	% % %
M		Everglades Soil No. 30. Sub-soil of No. 29. Moisture	%
м.		Everglades Soil No. 31. Center of Sec. 29, T. 48, R. 39, West of New River Canal. Moisture	7/n

	Phosphoric Acid 0.14 % Potash 0.07 %
М.	1787—Everglades Soil No. 32. Sub-soil of No. 31.
	Moisture
	Ammonia 3.12 %
	Ammonia
	Phosphoric Acid 0.06 %
	Potash 0.06 %
M	1788—Everglades Soil No. 33.
	SE. 1/4 Sec. 34, T. 49, R. 39, South of Canal.
	Moisture
•	Ammonia
	Phosphoric Acid 0.18 %
	Potash 0.08 %
м.	1789—Everglades Soil No. 34.
	Sub-soil of No. 33.
	Moisture
	Ammonia 2.98 %
	Phosphoric Acid 0.06 %
	Potash 0.05 %
M.	1790—Everglades Soil No. 35.
	Center of Sec. 3, T. 50, R. 40, North of Canal.
	Moisture
	Ammonia 3.12 %
	Phosphoric Acid 0.17 %
	Potash (Minimum) 0.03 %
M.	
	Sub-soil of No. 35.
	Moisture11.04 %
	Ammonia 3.42 %
	Phosphoric Acid 0.11 %
	Potash 0.07 %

M	1792-	-Everglades Soil No. 37.		
		"Musa Isle" Grove, South of Miami	Can	al.
		Cultivated soil -evidently added Pho	soha	te.
		Moisture	9.02	0%
		Ammonia		
		Phosphoric Acid (Maximum)		
		Potash	บ.บอ	70
M.	1793-	-Everglades Soil No. 38.		
		Sub-soil of No. 37. Sandy sub-soil.		
		Moisture	1 59	01
		Ammonia (Minimum)	0.44	10
		Phosphoric Acid		
		Potash (Minimum)	J.U3	%
M.	1794-	-Everglades Soil No. 41.		
		Center of Sec. 11, T. 53, R. 40.		
		Moisture1	4.86	0%
		Ammonia		
		Phosphoric Acid	0.11	70
		Potash	ม.บซอ	%
M.	1795-	-Everglades Soil No. 42.		
		Sub-soil No. 41.		
		Moisture1	3.14	_
		Ammonia		
		Phosphoric Acid (Minimum)		
		Potash		
			J.00	70
M.	1796-	-Everglades Soil No. 43.		
		NE. 1/4 Sec. 31, T. 52, R. 40.		
		Moisture1	1.63	%
		Ammonia		
		Phósphoric Acid		
		Potash	0.08	0/
		Totali		10
M.*	1798-	-Everglades Soil No. 45.		
		E. ½ Sec. 9, T. 52, R. 39.		
		Moisture1	2.32	%
				10

4.07 %

Ammonia

Phosphoric Acid 0.13 %
Potash 0.07 %
M. 1799—Everglades Soil No. 46.
Sub-soil No. 45.
Moisture12.38 %
Ammonia 3.67 %
Phosphoric Acid 0.25 %
Potash 0.07 %
orange grove, have evidently been fertilized with commercial fertilizers, particularly phosphates. 2—Soil.
EXTRACT FROM STATE CHEMIST'S REPORT, 1914.

ANALYSES OF MUCK SOILS FROM THE UPPER ST. JOHNS VALLEY.
M. 2005-Muck Soil No. 1 (12-inch surface. Sec. I.

Felismere, Fla. Air Dry Sample. Moisture = 17.87 % Nitrogen 2,35 % Volatile matter 91.76 % Involatile matter (ash) 8.24 % Insoluble matter (sand)..... 4.46 % Phosphoric acid-0.024% 0.041% Potash-Lime-0.83 % 1.92 % Iron and alumnia.....

M.	2006-	-Subsoil No. 1 (12 to 36 in.) Secs. 2 and 3, Fellsmere, Fla. Air Dry Sample.
		Moisture 14.70 %
		Nitrogen 1.76 %
		Volatile matter 72.91 %
		Involatile matter (ash) = 27.09 %
		Insoluble matter (sand) = 21.81 %
		Phosphoric acid 0.050%
		Potash 0.058%
		Lime 1.62 %
		Iron and alumnia 2.80 %
M.	2007-	-Muck Soil No. 2 (12-inch surface), Myrtle
		hammock on ditch N, 12, near lateral canal N, Fellsmere, Fla.
		Air Dry Sample
		Moisture 18.04 %
		Nitrogen 2.38 %
		Volatile matter = 87.88 %
		Involatile matter (ash)= 12.12 %
		Insoluable matter (sand) 7.35 %
		Phosphoric acid = 0.148%
		Potash = 0.073%
		Lime 2.55.%
		Iron and alumina 1.38 %
М.	2008-	-Muck Soil No. 3 (18-inch surface). Sec. 1, corner of lateral canal Q and railroad ditch, Fellsmere, Fla.
		Air Dry Sample.
		Moisture = 16.35 %
		Nitrogen 3.39 %
		Volatile matter 95.70 %
		Involatile matter (ash) 4.30 %
		Insoluble matter (sand), 1.72 %
		Phosphoric acid 0.100%
		•

	Potash — 0.052% Lime — 1.29 % Iron and alumina — 0.52 %
М.	2009—Subsoil No. 3 (18 to 36 inches). Sec. 2, corner of lateral canal Q and railroad ditch, Fellsmere, Fla.
	Air Dry Sample. Moisture = 16.75 %
	Nitrogen 2.76 %
*	Volatile matter 95.32 %
	Involatile matter (ash) 4.68 %
	Insoluble matter (sand) 0.71 %
•	Phosphoric acid 0.058%
	Potash 0.028%
	Lime 1.52 %
	Iron and alumina 1.78 %
м.	2010—Soil No. 4 (18-inch snrface). Sec. 1, corner of lateral M and railroad ditch, Fellsmere. Fla. Air Dry Sample. Moisture
	Volatile matter 95.74 %
	Involatile matter (ash) 4.26 %
	Insoluble matter (sand) 1.55 % Phosphoric acid 0.180%
	Potash = 0.043%
	Lime = 1.68 %
м.	Iron and alumina
	3, corner of lateral M and railroad ditch,
	Fellsmere, Fla.
	Air Dry Sample.
	Moisture 16.55 %
	Nitrogen 2.52 %

Insoluble matter (sand) : =	1.55 %
Phosphoric acid	-0.072%
Potash	-0.030%
Lime=	2.95 %
Iron and alumina	

ENTRACT FROM BULLETIN NO. 43 OF THE AGRI-CULTURAL ENPERIMENT STATION—1897.

BY A. A. PERSONS.

No.	16-Dade County Saw Grass Muck.	
	Moisture at 100° C	3.9300%
	Nitrogen	1,2300%
	Insoluble matter (sand)	
	Phosphoric acid (P2O2)	0.1472%
	Potash (K ₂ O)	0.0260%
	Lime (CaO)	3.9850%
	Iron and alumina	
No.	53—Dade County Reclaimed Bay Muck	
	Moisture at 100° C	
	Nitrogen	1.4560%
	Insoluble matter (sand)	43.0630%
	Phosphoric acid (P _c O _s)	0.1120%
	Potash (K ₂ O)	Trace
	Lime (CaO)	0.1500%
	lron and alumina	3.3470%
N* .		-
N0.	54—Dade County Reclaimed Bay Mucl	
	Moisture at 100° C	
	Nitrogen	1.3300%
	insoluble matter (sand)	48.7350%
	Phosphoric acid (P2O5)	0.0480%

Potash (K2O)	0.0038%	
Lime (CaO)	0.1000%	
Iron and alumina	3.3470%	
31012 (LIZO) STATE OF THE STATE		
No. 90-Osceola County Government Station M	uck.	
Moisture at 100° C	0.0000%	
Nitrogen	2.4400%	
Insoluble matter (sand)	7.9700%	
Phosphoric acid (P2O2)	0.1600%	
Potash (K ₂ O)	0.0800%	
Lime (CaO)	Trace	
Iron and alomina	0.8000%	
•		
No. 91-Osceola County Government Station 3	fuck.	
Moisture at 100° C	0.0000%	
Nitrogen	1.7000%	
1nsoluble matter (sand)	33.3900%	
Phosphoric acid (P2O2)	Trace	
Potash (K2O)	-0.0600%	
Lime (CaO)	Trace	
Iron and alumina	2.4210%	
	. , ,	
No. 92-Osceola County Government Station 3	luck, sub-	
soil.	0.0000++	
Moisture at 100° C	0.0000%	
Nitrogen	0.3100%	
Insoluble matter (sand)	84.9100%	
Phosphoric acid (P2O5)	Trace	
Potasb (K ₂ 0)	0.0700%	
Lime (CaO)	Trace	
· Iron and alumina	2.2890%	
V 00 0 1 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1		
No. 93—Osceola County Government Station Moisture at 100° C	0.0000%	
	2.7400%	
· Nitrogen	7.3900%	
· Insoluble matter (sand)	Trace	
Phosphoric acid (P2O3)	race	

Potash (K ₂ O)	0.0900%
Line (CaO)	Trace
Iron and nlumina	1.7600%
No. 94-Osceola County Government Station A	L uali
· Moisture at 100° C	0.0000%
Nitrogen	,
Insoluble matter (sand)	3.0000% 2.2500%
Phosphoric acid (P ₂ O ₅)	Trace
Potash (K ₂ O)	0.0400%
Lime (CaO)	Trace
Iron and alumina	1.2600%
	1.200076
No. 95-Osceola County Government Station M	uck.
Moisture at 100° C	0.0000%
Nitrogen	2.7600%
Insoluble matter (sand)	2.1300%
Phosphoric acid (P ₂ O ₅)	Trace
Potash (K ₂ O)	0.1000%
Lime (CaO)	Trace
1ron and alumina	1.3900%
No. 96-Osceola County Government Station M	uek sub.
soil.	next pur-
Moisture at 100° C	0.0000%
Nitrogen	1.0100%
Insoluble matter (sand)	55.8600%
Phosphoric acid (P2O2)	Trace
Potash (K ₂ O)	0.0300%
Lime (CaO)	Trace
1ron and alumina	1.3000%
No. 97—Osceola County St. Cloud Orchard Mucridge.	ek, sandy
Moisture nu 100° C	0.0000%
Nitrogen	1.5000%
	53.5900%
Phosphoric acid (P2O5)	Trace

Potash (K ₂ O)	0.1500%
Lime (CaO)	Trace
Iron and alnmina	10.0100%
11011 Alby Williams	
No. 98-Osceola County Sugar Cane Muck La	nd, sandy
ridge.	0.000000
Moisture at 100° C	0.0000%
Nitrogen	1.3900%
Insoluble matter (sand)	50.3800%
Phosphoric acid $(\mathbf{P}_2\mathbf{O}_5)$	Trace
Potash (K ₂ O)	0.5100%
Lime (CaO)	Trace
Iron and alumina	12,6900%
No. 35-Polk Connty Bay Muck.	
Moisture at 100° C	14.7050%
Nitrogeu	2.4500%
Insoluble matter (sand)	3.2750%
Phosphoric acid (P_2O_5)	0.0544%
Potash (K_2O)	
Lime (CaO)	
Iron and alumina	
Tron and aroundar	
R-Orange County Reclaimed Apopka	Saw Grass
Muck	
Moisture at 100° C	
Nitrogen	2.8000%
Insoluble matter (sand)	
Phosphoric acid (P ₂ O ₅)	0.2100%
Potash (K ₂ O)	. 0.0780%
Lime (CaO)	. 2.0920%
Iron and alumina,	. 1.6500%
S-Orange County Reclaimed Apopka	Saw Grass
Mnck.	
Moisture at 100° C	
Nitrogen	. 2.8500%
Insoluble matter (sand)	. 4.5500%

Phosphoric acid (P ₂ O ₅)	0.1810% 0.0700% 1.9670% 3.0200%
T-Orange County Average Saw Grass Mu-	ck.
Moisture at 100° C	
Nitrogen	2.2800%
Insoluble matter (sand)	10.1500%
Phosphoric acid (P2O5)	0.2800%
Potash (K ₂ O)	0.0600%
Lime (CaO)	1.8300%
, Iron and alumina	5.7000%
No. 23—Lake County Bay Muck. Moisture at 100° C	19 05000
	13.9500%
Nitrogen	1.3832% 5.0480%
Phosphoric acid (P ₂ O ₅)	0.4032%
Potash (K ₂ O)	0.4032%
Lime (CaO)	3.1950%
Iron and alumina	0.6768%
No. 24-Lake County Saw Grass Muck.	
Moisture at 100° C	12.2200%
Nitrogen	2.6460%
Insoluble matter (sand)	4.2770%
Phosphoric acid (P2On)	0.1152%
Potash (K ₂ O)	0.0116%
Lime (CaO)	1.7500%
Iron and alumina	0.5748%

A MOST PROMISING GRASS FOR SOUTHERN FLORIDA.

University of Florida Agricultural Experiment Station.

Elephant Grass, Napier Grass, Carter Grass.

By J. B. THOMPSON.

Napier grass, Pennisetum purpureum, is a native of Tropical Africa and was first introduced into the United States in 1913 by the Federal Department of Agriculture. It is a rank growing perennial grass, with uou-saccharine juice, and ranges from 6 feet to 15 feet or more in height. It is quek growing and bunchy, each plant bearing many coarse stalks or canes with numerous broad succulent leaves. At the Experiment Station it has shown a habit of sending out a branch from each of the upper joints during the late-summer months; and in October each of these bears a long millet-like seed spike varying from 3 to 10 or more inches in length.

PROPAGATION AND PLANTING.

Napier grass may be propagated by either one of three methods. It may be grown from joint's of the canes, from divisions of the root bunch, or from the seed. The mature canes may be cut before frost in the fall and banked over winter by the method commonly practiced in the handling of Japanese cane or sugar cane. In the Spring these seed canes may be planted horizontally in open farrows made 6 feet apart and the canes dropped from 3 to 4 feet apart in the row. Where the number of seed canes is limited and it is desired to adopt a system

that will insure the maximum number of plants from the caues available, single eye cuttings may be successfully used. These are prepared by severing the canes with a sharp slanting cut about an inch below each joint. In planting these the lower end of the cutting is simply thrust obliquely into the plowed ground to a depth of 4 or 5 inches. In preparation for planting the soil should be thoroughly harrowed to eliminate air spaces and prevent the cuttings from drying out too rapidly. If, however, the canes are sufficiently mature, and the soil is in good condition both roots and sprouts will he sent out from the same joint and a good vigorous plant will soon be established. The root clump may also be divided into several parts, each of which is capable of producing an independent plant. Napier grass seeds freely in the latitude of Gainesville and has produced mature seed as early as the last week in October. Many of these seeds are found to germinate; and the practice of propagating plants by this method would seem entirely practicable. at least while seed canes are not available in quantities adequate to entirely supply the demand for them. seed should be sown in seed flats or boxes and the seedlings may be planted to the field when about 6 inches high. Plantings should be made in rows 6 feet apart with spaces of from 3 to 4 feet between plants in the row. On highly fertile soil these distances should be increased.

SOIL AND CULTURAL REQUIREMENTS.

With respect to soil requirements this grass does not seem as exacting as are many of our more familiar forage plants. It thrives remarkably well on good muck or other rich moist soil. It also does comparatively well on the lighter drier soils having average fertility. There is an impression rife among interested parties that this grass will produce large crops on any type of soil and that it requires little or no care. This belief is unfounded.

Plantings made in many parts of Florida during the past year indicate that results will vary according to the fertility of the soil, and that at least as much care and cultivation will be required as is necessary to produce a good crop of Japanese cane. It is a drouth resistant grass, but will thrive hest where soil moisture is not lacking. It seems especially able to appropriate plant food from comparatively poor soil, but it can not continue indefinitely to produce heavy crops on a light soil without some provision for returning the plant food removed.

YIELDS, USE AND FEEDING VALUE.

There are, as yet, little data on the yields of this grass in Florida, but there seems little doubt that where conditions are favorable, there is no other forage crop that will excel it in the production of green feed. One test made at the Experiment Station yielded at the rate of 19.5 tons to the acre, while another planted at a different time and under different conditions gave a crop weighing at the rate of 39.1 tons of green feed to an acre of land. These results were obtained from new pinewood land of rather better than average fertility but with no fertilizer. Two tests made under government auspices in New South Wales resulted in yields of 16 and 25 tons of green fodder respectively after a period of four months from time of planting. Napier grass is a splendid crop for soiling purposes, as it ratoons freely, is palatable as a green fodder, and very nutritious. Fats, 2.15%; protein, 11.36%; sugar and starch, 46.02%.

An official analysis made by the Government Chemist of New South Wales and reported in the Agricultural Gazette of New South Wales, for July 1917, shows this grass to be unusually high in food nutrients, containing in the green form 3.59 percent protein, and constituting

a good balanced ration for a cow when yielding a good flow of milk. Like other green roughage, a full ration would not, of course, contain enough dry matter as a complete feed for fattening or forcing milk production, and some concentrates would be required to produce best results.

CITRUS CANKER ERADICATION IN FLORIDA.

By Wilmon Newell, Plant Commissioner, Gainesville, Fla.

The work of eradicating citrus canker in Florida, which has been carried on intensively by the State Plant Board and the Bureau of Plant Industry, U. S. Department of Agriculture, for the past three years and eight months, has been an undertaking unique in many ways. The disease, first noticed in 1913 and assuming an alarming aspect in 1914, had hitherto been unknown, and for a disease so deadly and destructive to appear like lightning from a clear sky was undreamed of. In 1914 its destructive nature became so apparent in Dade County that every possible means of checking it by sprays or other treatments were tried, but without effect, and it was soon learned that the spread of the disease could be checked only by the complete and prompt destruction of all infected trees, as well as the adoption of antiseptic measures more severe than those practiced by surgeous in their operating rooms!

The fight against citrus canker in Dade Connty during 1914 was waged by the growers themselves and by the Florida Growers' and Shippers' League, no State or Federal assistance being available, except a thousand dollars from the Governor's contingent fund and about the same amount from the State Nursery Inspector's Office. In spite of all that could be done by these agencies, the plague continued to spread, and efforts to secure State aid resulted in the passage of the Florida Plant Act in the Spring of 1915, and the appropriation by the State Legislature of a fund of \$125,000 with which to conduct the fight against the disease. Just prior to this time the Department of Agriculture, through Dr. K. F. Kellerman, Associate Chief of the Bureau of Plant Industry,

took a hand, mainly with a view to finding out whether measures of eradication appeared to be feasible.

To make a long story short, the Plant Board took up an intensive campaign against the disease, assisted both financially and technically by the Department of Agriculture, and the eampaign has been continued unremittingly up to the present time.

Never before was eradication of a plant disease undertaken upon so tremendous a scale, and never before were such large amounts of money, expended for such a purpose. However, the results have more than justified the expenditure and the effort, for it is a certainty that the round orange and grapefruit industries of the State would have, within a few years, been ruined entirely by the disease if allowed to have its own way.

Up to June 30, 1918, a total of \$1,002,944.65 had been expended on the canker eradication work in Florida. Of this amount \$247,030.27 was money appropriated by the . State Legislature, \$648,009.57 was out of Federal appropriations expended through the Department of Agriculture, and \$107,904.81 was expended by the Florida Growers' and Shippers' League, by County Commissioners, by growers and by Plant Board employees.

Staggering as the expenditure appears, its justification is found in the fact that this expenditure has saved from practical destruction the State's principle industry, representing an investment of \$140,000,000 and bringing into the State each year approximately \$22,000,000 in cash.

However, the expenditure of money alone could never have accomplished the task. The utmost care and thoroughness on the part of every employee of the Plant Board was also necessary. This, fortunately, was secured and the success thus far attained would not have been possible had not the Board from the beginning eliminated all political considerations. No person has ever held employment under the Board on account of political influence or personal favoritism. On the contrary, effi-

ciency has been the sole basis upon which an employee could hold his position and the policy of the Board to promote men in strict accord with their ability and attention to duty has resulted in an organization leval to the public of Florida and wonderfully efficient. Many evidences of this loyalty have come to light. On two occasions, when funds were totally exhausted, all employees eontinued their work without compensation, even defraying their own expenses, in order that there might be no set back to the work. Inspectors have worked day after day knec-deep in water, inspecting trees suspicioned of being infected. In case of newly discovered ontbreaks the men traveled all night and on Sundays to reach the infection and wipe it out in the quickest possible time and in other cases men have worked in infected groves until prostrated by heat or fatigue. The battle against canker has been a wonderful one, even if not spectacular, and it has by no means been without patriotic sacrifices on the part of those engaged in it.

Cooperation of the citrus growers themselves was also vital and this co-operation the Plant Board has enjoyed to an unusual degree. Of course, in the beginning of the work there were many who did not credit the statements as to the destructiveness of the disease and it was perhaps only natural that they should object to the drastic measures taken. However, with a fuller realization of what failure in this undertaking would mean to the citrus industry, and, in a broader sense, to the entire State, opposition gradually died away and it may be said that co-operation of the growers with the Board is at the present time "100 per cent. perfect."

Statistics are usually uninteresting, but in the present case they show as nothing else can, the magnitude of this work and the progress that has been made.

Citrus canker has been found, at one time or another during the past four years, in 480 citrus properties in Florida. These properties contained approximately 2 per-

cent of the citrus grove acreage in the State. Today there are but five of these properties which are still classed us "infested." This does not mean that the work of canker eradication is completed, for every vestige of the disease, in fact every individual citrus canker bacterium in the entire State, must be wiped out of existence. Like a fire, the disease can again break forth and spread devastation from a very tiny beginning. Unless the work be carried to its logical conclusion and be made complete, the enormons expenditures of the past will be wasted. Properties now infected, and those which have been infected, must be kept under close inspection for from three to four years longer as a safeguard. Much of the citrus area still remains to be inspected for the first time, and until all of it has been inspected at least once we cannot he sure but what there is a center of infection in some remote locality.

The total number of grove trees which have been found infected to date amount to 13,723, and the number of nursery trees infected amounted to 342,254. The extent to which the owners of citrus trees co-operated with the board in efforts to wipe out the disease is shown by the fact that owners have given their consent for destruction, without any compensation whatever, of 234,544 grove trees and 2,611.514 nursery trees, which had been exposed to the infection.

One must not draw the conclusion that with the completion of the eradication work in all infected Florida properties now known the task will be over with. There is, potentially, almost as much danger now of citrus canker being introduced into Florida as there was in 1913 and 1914. There is a considerable amount of the disease in other Gulf States, and practically every eitrusproducing country of importance on the face of the earth now has the disease to contend with. Only the quarantine work of the Plant Board stands between the Florida citrus grower and additional introductions of citrus can-

ker. This gnarantine work is made just as thorough as scientific skill, hard work and available funds permit, but from the nature of the case it is not infallible. Future protection of Florida against this sconrge must, therefore, depend not only upon quarantine measures, but on inspection work within the State, which will detect infections in their incipiency and at the same time make it impossible for the disease to be distributed from any nursery. Inspection of the Florida nurseries, containing as they do nowards of 13,000,000 citrus trees at all times. is no small task in riself. All of these trees are inspected, practically a tree at a time, by the Nnrsery Inspection Department of the Plant Board, not once, but many times between the planting of the seeds and the time when the tree is ready to leave the nnrsery. Incidentally, the Plant Board feels n instifiable pride in the fact that since it commenced its work not a single instance bas come to light of citrus canker being distributed on nursery stock.

In other words, while the board bas, through one department, been eradicating the citrus canker that was in Florida when the board commenced its work, its Quarantine Department has been keeping out more of the disease, and its Nursery Inspection Department has been holding the second line of defense to see that nurseries did not become infected, either from extra or intrastate sources, and spread the disease. This combination must continue perpetually, and is the price of the future safety of Florida's citrus industry, even though the expense of fature protection will doubtless be much smaller than the cost of the war on canker through which we have been passing, and which, it is confidently hoped, will soon be ended, not hy an "armistice," but by complete annihilation of the enemy within our borders.

Gainesville, Fla., Dec. 14, 1918.

THE CITRUS FRUIT INDUSTRY.

A Review of Citrus Activities in Florida During the Two Years Ending December 31, 1918.

By Dr. J. H. Ross, President Florida Citrus Exchange, the Second Largest Farmers' Co-operative Organization in the United States.

The stability of the citrus fruit industry of Florida has perhaps been best shown within the last two years. Its ability to withstand seriously adverse circumstances and to recuperate has been well demonstrated.

With the beginning of the 1916-1917 season citrus growers had an excellent outlook in point of both crops and prices. Early fruit went forward, and was readily absorbed by the markets at good prices. After the opening of the year 1917 conditions during the month of January were generally very satisfactory to growers.

Then imheralded there came on February 3, 1917, the coldest weather for twenty-five years. Snow was seen in certain portions of the north central part of the State for the first time within the memory of many inhabitant's there, and a killing freeze caught practically all of the fruit then hanging upon the trees, while untold damage was done to thousands upon thousands of acres of valuable grove properties.

It was largely a repetition of the big freeze of the season of 1894-95; but the results was signally different insofar as to the effect upon the growers themselves. While in 1894-95 hundreds of growers abaudoned their properties, there was apparently no disposition to do this in 1917. Instead practically all those whose groves were affected forthwith applied themselves strongly to the task of hringing their properties back into condition.

Horticultural experts of the State gave sound advice as to the best methods to be followed in rehabilitating stricken trees. The information they gave was given widest circulation by the newspapers and periodicals of the State. This information undoubtedly was of the greatest value to grove owners.

Everywhere there was a disposition to "stick to the ship;" and the results of this determination and a proper application of the efforts of the growers is now strongly manifest.

Volusia County provides an excellent example of this. In this county the damage to trees was most severe. As a result the crop available for marketing from there during the 1917-1918 season was very small; but we now have the example of Volusia County having for shipment during the 1918-1919 season considerably more than six times the volume of fruit shipped during previous season. Moreover, prospects are reported excellent for a considerable increase over these figures next season.

As a result of the previous winter's freeze the crop of the 1917-1918 season was considerably below normal amounting only to approximately 5,000,000 boxes, not all of which was of the most desirable quality. Prices generally are good during a short-crop season and this was true during the 1917-18 season, but the unprecedentedly severe weather prevailing throughout the North while most of the fruit was moving, the transportation tie-ups and other handicaps due to war conditions all combined to present considerable difficulties in the matter of marketing.

However, to those growers who had any considerable volume of fruit for handling, the season was most successful in point of prices realized. The Florida Citrus Exchange was able to secure for its members the bighest average of prices on both oranges and grapefruit in the history of the citrus fruit industry in Florida.

The opening of the 1918-1919 shipping season was notable for the very early maturity of both oranges and grape-fruit. Due to rather unusual weather conditions fruit

generally was from three to four weeks earlier in maturing than is normally expected. The epidemic of sickness throughout the North proved a strong stimulus to the markets as a result of which both oranges and grapefruit went forward in unprecedented volume right on up to the close of the year 1918, at which time this is written.

Notwithstanding a certain amount of trouble due to decay, caused by some softness in fruit and delays in transportation, most excellent prices were realized for growers. This is particularly true when the tremendous volume of fruit moving out of the State during November and December, 1918, is taken into consideration.

Before the opening of the season the best available estimates placed the 1918 1919 total crop in the neighborhood of 8.000,000 boxes. The severe storm which ravaged Pinellas County cansed the loss of something like 300,000 hoxes of fruit in that section. This combined with the effects of a certain amount of droppage generally over the citrus section of the State has reduced the total crop quite considerably. Careful estimates from well posted persons at the close of 1918, placed the total crop for the 1918-19 season at from 7,2000,000 to 7,400,000 hoxes. According to government figures, 10,620 carloads of citrus fruit moved out of the State up to and including Decemher 27, 1918. Figured upon a bisis of 360 boxes to the car this would mean a total of 3,823,200 boxes which had gone forward to that date. At the rate fruit was then moving it is safe to figure an additional 350,000 boxes for the remaining days of that month; which would mean that approximately 60% of the estimated crop of the State bad been shipped before the close of the year 1918. The government figures earlier mentioned gave a total of 7,887 carloads of oranges as against 4,153 for the corresponding period of the year previous. Shipments of grapefrait were given at 2,733 cars, as against 1,318 cars of the season before at the same time.

Under the stimulus of careful advertising and the selling efforts of the more than one hundred northern representatives of the Florida Citrus Exchange the Sealdsweet hrand of this great growers, cooperative, non-profit marketing organization has become a very strong factor in the specessful marketing of the members of this organization. Purposeful following out of carefully laid advertising and sales plans have resulted in Sealdsweet oranges and grapefruit obtaining a place very high in the regard of hoth wholesale and retail fruit dealers in the North, while millions of northern housewives have been taught to demand Sealdsweet fruit through the newspaper and magazine advertising of the Florida Citrus Exchange. This in very large part accounts for fruit shipped under the Sealdsweet brand generally obtaining higher prices in the northern markets than is realized for other fruit not so distinguished.

This advertising and concerted selling effort is made possible only through the standardized methods of picking, packing and handling fruit in the packing honses of the various associations of the Florida Citrus Exchange throughout the chrus section of Florida. Unified control of the methods followed by these packing honses makes it generally possible to deliver on the markets fruit of uniform grade and pack.

The close following of uniform packing methods is one of the big advantages had through the operation of the centralized and thoroughly equipped packing houses of the Florida Citrus Exchange. Aside from the economics affected, this has proven one of the greatest advantages to those growers who are members of this organization.

One of the significant developments in connection with the citrus fruit industry of Florida within the last two years has been the entry of a new factor into the situation in the form of the Exchange Snpply Company, which is affiliated with the Florida Citrus Exchange. The Exchange Supply Company is closely patterned after the Fruit Growers' Supply Company of California, which is an affiliation of the California Fruit Growers' Exchange.

It has for its purpose the purchase of necessary material and supplies for growers in large quantities and the sale of them at cost to its stockholders.

The various associations of the Florida Citrus Exchange are stockholders of the Exchange Supply Company. The grower members of these associations place their orders for materials with their local organization. The Exchange Supply Company hills all materials directly to the associations, which in turu collect from the growers for the materials furnished to them. Materials furnished to the packing houses are paid for from association funds.

The Exchange Supply Company charges supplies to its members at prevailing retail prices. In this way it does not disturb the normal retail markets, but, due to the company being owned by those who make their purchases through it, all the profits from its sales are returned to purchasers in the form of rebates and dividends.

One of the surest ways to make money is to save money, and the citrus growers who are enabled to obtain their various supplies at lowest possible cost through the medium of the Exchange Supply Company, and who, in turn, are able to obtain for their fruit its full value in the Northern markets by having it handled through the cooperative, non-profit selling organization of the Florida Citrus Exchange, very naturally must obtain a larger compensation for their activities and efforts than can any growers who have not the benefit of affiliation with these organizations.

The beneficial effects of co-operative marketing of their products by growers have been thoroughly established in Florida through the greatly higher average prices obtained for Florida citrus fruits in the Northern markets since the Florida Citrus Exchange became an established factor in the marketing activities of this State. These

marketing activities have been realized in the face of constantly increasing production, which makes them all the more notable.

The commercial value of co-operative marketing is firmly established in Florida. The developments of the last two seasons have only served to emphasize that value. In view of this, and in view of the stability of the citrus fruit industry as shown in the face of most adverse conditions, it is safe to say that the outlook for the citrus industry in Florida seemingly never was brighter than at the close of the year 1918 when this review is written.

MILCH GOATS.

Br H. S. Ellior, Chief Clerk, Department of Agriculture.

For several months this Department has received many inquiries relative to this subject and the probable success of such an industry in Florida.

On investigation by this Department we find this is a very limited industry, the territory covered in its operation probably not exceeding half a dozen States in number, excepting Florida, where the number of goats used for supplying milk to human beings does not exceed fifty at this time.

The industry is operated to some extent in New York, Virginia, New Mexico, Arizona, and in California, to a considerable extent in the latter, and where it probably meet with more success than in any other section of the United States. We believe there can be no reasonable grounds, for doubting its adaptibility to and entire success in Florida, and especially when confined to the hilly and rolling lands of the State without regard to section.

With the present economic condition and the extraordinary high cost of living, the use of the milch goat is one sure means of reducing living expenses on the part of small families and at the same time placing one of the most nutritions and wholesome foods within their daily control at the minimum of cost. It is our deliberate opinion that it is an industry both capable and worthy of the highest development.

GENERAL INFORMATION CONCERNING MILCH GOATS.

Milch goats are kept for milk production in many for eign countries, especially in Continental Europe, Great Britain, Scandinavia, and in the countries bordering the Mediterranean. They are found in limited numbers in different States in the Union, and are doubtless more numerous in California than elsewhere in the United States. They are generally kept in very small berds that supply the milk used by the family. A relatively small number of large herds is found in California, some in Alabama, and some in Virginia.

The comparatively dry climate of the Southwest agrees well with milch goats, and they are kept on laud differing greatly in topography and feed conditions. If sufficient feed is available, hilly and even rocky land can be used for keeping goats. Goats do not thrive well on low, damp, or swampy land as the conditions on such land are conducive to foot rot and other troubles. Provided they are properly cared for, goats will do well on well-drained valley land.

Alfalfa in the Southwest furnishes an abundant feed supply in the interior valleys, which could be utilized in goat keeplug as at the present time for dairy cattle and other classes of live stock. In most places, where alfalfa cannot be grown successfully, other pasture crops well adapted for feeding goats can be raised to advantage, such as clover, vetch, rape, and peas, cow peas, velvet beans, etc., such as is found growing in waste places, on vacant city lots, along roadways and fences, on hill lands where there is not sufficient available feed for keeping a cow. Goats thus largely derive their living from feed that would otherwise go to waste, which accounts for their popularity among people in urhau communities and for the fact that they are generally considered most economical milk producers. The present conditions, care and possible extension of the milch goat industry in this State will be discussed further ou in this hulletiu.

BREEDS OF MILCH GOATS.

There are many different breeds of mileb goats, but comparatively few of these are represented in California, or other States, those present in largest numbers being the Toggenburg, Saanen, and Auglo-Nuhian. A great variety of crosses and numerous goats of no particular breeding are also found.

Toggenburg.-This hreed has its native home in Toggenharg Valley, Switzerland, where it has been hred for centuries. The prevailing color is brown, both light and dark, with white markings. A white hrindle mark is always present on each side of the face. White is also present on the under line and on the legs below the knees and hocks. White is also now and theu found on the sides of the animals. As a rule, they are hornless, but horns are some times developed. The head is rather long, facial lines straight or slightly concave, ears of a medium size, more of less erect, although sometimes held almost horizontally. The neck is somewhat longer and slender and there may or may not be wattles at the base of the lower Toggenburgs usually have a heard, which on the male is long and heavy; the better specimens of the hreed are always lean and of medium size, females weighing about 100 to 140 pounds, while bucks as a rule weigh from 110 to 140 pounds. Both long-haired and short-haired animals are often seen in the same herd. It has been our experience that the Toggenhurgs are very hardy and make spleudid mothers.

Saanen—This is another Swiss hreed which is quite similar to the Toggenburg in general conformation. They are a little heavier in weight, mature bucks weighing from 175 to 200 pounds and does from 110 to 140 pounds. They are of a white or cream color, and usually short-haired. The Saanen is considered a hornless breed, but horns often occur as in the case of the Toggenhurg. The Saanen may be used to great advantage in grading up herds, as many of the common goats are white in color.

Nubians or Anglo-Nubians.—This goat is prohably the result of a cross hetween the common short-haired goat of England and the Nubian, Egyptian, Abyssinian, Chitral, or some other Oriental hreed of goats. They have a short coat of no fixed color, all colors and combinations heing found. The ears are long, wide and pendant or semi-pendant. The facial lines are arched with a slight taper

toward the muzzle. The eyes are large and full, and the forehead wide. The kids are relatively large and grow rapidly.

THE MILK OF THE GOAT.

One of the first questions usually asked about milch goats is in regard to the quantity and quality of milk produced. Milch goats are similar to dairy cows in that some do not yield a sufficient quantity to pay for their keep. while others are profitable dairy animals. A good goat should give 800 to 1,000 pounds (approximately 400-500 quarts) during a lactation period. Many breeders speak of the production of their animals in rather uncertain terms, such as a four-quart doe, a three-quart doe, etc. This refers to the production for a single day during the maximum flow of milk. The individuality of the animal is the greatest factor influencing milk production. Breed is also an important factor. The Toggenhurg and Saanen are, as a rule, heavy milkers. While hut little is definitely known in regard to the production of the other breeds at the present time, Pelger states that the Anglo-Nuhian is a good milker of rich milk, containing more hutter-fat than that of Swiss goats, although the yield is, not as a rule, as large.

COMPOSITION OF GOATS' MILK.

The composition of goats' milk varies as that of cows' milk, with the hreed, period of lactation, and the individuality of the animal. But little information is at hand concerning the composition of the milk of goats of different breeds. So far as known, the milk of the breeds of Swiss origin does not contain as high a per cent of hutterfat as that from the Anglo-Nubian or even from some of the common goats. As the doe advances in her period of lactation the fat content of the milk increases. This also

varies with other conditions, like intervals between milkings, completeness of milking, etc., so that the text of a single sample of milk will not give a reliable index to the average quantity of the milk. This can only be obtained by the regular testing of the milk for one or more full days at intervals during the lactation period, in the same way as for dairy cows. A few analyses of goats' milk taken from different sonrces are given below:

COMPOSITION OF GOATS' MILK (GENEVA, N. Y., AGRICULTURAL EXPERIMENT STATION.)

Analyses were made of twenty-three samples of milk from eleven animals:

Average · per cent.		Variations Per cent.	
Total solids	12.12		
Total Proteins .	3.21	9.22-17.63	
Casein	2.40	2.24- 5.21	
Ash	55	~	
Specific gravity,	1,0294.	the meaning	

COMPOSITION OF GOATS' MILK (GALIFORNIA AGRICULTURAL EXPERIMENT STATION.)

Analyses of the milk from the does in the University herd are made weekly. The averages given below are the results of the analyses made weekly during the entire lactation periods. With one exception these does are Toggenhurgs:

	Average	Variations
	per cent.	per cent.
Water		
Total solids	11.95	9.5-14.8
Fat	3.40	
Solids, not fat	8.55	7.8- 9.2

ā.,.

OTHER SOURCES GIVE THE COMPOSITION OF GOATS' MILK AS FOLLOWS:

Anthonitu	Water		Casein and	Sngar	Ash per
Authority.	per cent.	per ceut.	per cent. 1	cent.	cent.
Renesse	85.50				.70
Landweinth	85.60			4.30	.10
Hoffman	86.91				.90
Koenig	86.88	*4.70			.85

*Variations, 2.29-7.55 per cent (Compiled from about 100 analyses).

FLAVOR AND ODOR OF GOATS' MILK.

Many people believe that all goats milk has a peculiar "goaty" odor or taste. This is not, however, necessarily the case. A disagreeable flavor is often times due to the presence of a buck in the milking herd; it may also come from the feeding of improper feed. Provided good feed and care are given the doe, and the milk is produced nuder sanitary conditions, no disagreeable odor or flavor is found in goats milk, although it has a distinct flavor, different from that of cows milk.

Length of Lactation Period.—Some of the common goats milk for only four or five months; on the other hand it is not easy to "dry up" many well-bred does even after they have been milking for ten months. The common goat herd may be improved, however, by the use of pure bred backs of known milking strains. A good milch goat should give milk for at least eight months.

USE OF GOATS' MILK.

Direct Consumption.—Goats' milk is a common article of diet throughout Europe. Foreign writers agree in attesting to the value of goats milk for invalids and children. Physicians give testimony as to the beneficial use of goats' milk for infant feeding.

The following quotation from the annual report of the Geneva, N. Y., Agricultural Experiment Station for 1915 is of interest in this connection:

"During the past few years the station bas maintained a herd of milch goats for the purpose of studying, not only the cost of maintenance, but also the adaptability of the milk to certain uses. The most striking results so far secured relate to feeding goats milk to infants. The station has had the opportunity to supply this milk to a fairly large number of very young children who were in serious physical condition, due to their inability to properly digest and assimilate modified cows' milk or any of the commercial infants' foods that were tried. In nearly all cases of this kind, the physical condition of the children has been huilt np, and satisfactory growth has been hrought about hy the use of goats' milk. It is not entirely clear why this milk has proven to he so efficient a food in the instances under observation.²

²New York (Geneva) Agri. Exp. Sta., Bull. 413, p. 639."

CARE OF MILCH GOATS.

The quantity and quality of milk which a goat will give depends very largely on the animal herself.

A good scrub, or common garden goat may give as much as $1\frac{1}{2}$ or 2 quarts a day for two months, but if ber milking qualities are not developed, she soon goes dry.

A grade—i. c., the product of a pure bred or cross bred sire and a scruh dam will produce more milk than her dam and the quality will depend largely on her sire.

A cross—i. e., the product of two specimens of different pure breeds will give a fine quantity of milk and it will vary in quality according to the herds of sire and dam.

The Swiss goats are the Holsteins of the goat family, giving an enormous quantity of rather poor milk, the amount of milk heiug as much as 6½ quarts in exceptionally good animals. The hutter fat would not he higher

than 3.5 per cent. Of course individuals vary—some more, some less.

The Nubian goat and the Indian goat are the Jerseys of the goat family. The Nubian will produce 4½ quarts of milk which will test 8 per cent or 9 per cent butter fat. Note carefully the distinction that is made all through this article between grades and crosses.

The young does should be kept growing all the time, and should never be bred until fifteen months of age at least. The period of gestation is from 147 to 152 days and the dams stand a great deal of rough usage without accident. Two kids are generally born at a time, but we have known goats to bave three, four, and sometimes five young at a hirth. The kids should be allowed to take the colestrum, or first secretion of the glands, which is yellowish and thick, and of a mucilagenous nature. It seems to act as a laxative and tones up the systems of the young.

The ndder should be very carefully watched, and if it becomes inflamed and over-distended it should be very carefully washed with warm water with a few drops of turpentine in it, and then carefully massaged with olive oil. Then a part of the contents of the ndder should he drawn—sometimes even before the kids are born.

If the kids are pure bred or cross bred they may all be kept for stock, as there is a great demand for young animals. If they are grades, the males may be killed at birth or else emasculated, and at from six months to a year they make most excellent meat, resembling mutton, if fed on pasture, and venison, if fed in the woods.

The females should be bred to pure or cross bred bucks. It is good to breed back one generation to its own sire to fix the type. A grade abould never be allowed to be the sire of any kids. Never keep one.

There is a general impression that goats are omniverous, eating any and everything to which they may gain access. This is a great mistake. Under proper conditions, the goat is the most fastidious of all our domestic ani-

mals, and refuses to drink any hut pure, fresh water, and scorns sloppy, sour or greasy food. Indeed the greatest trouble in goaf feeding is to prevent waste in stall feeding, for if once any of the food is dropped under foot, it is never touched.

When it is available the best results are obtained from free grazing on land which has been deforested, but not yet reduced to good pasture, as the animals are browsers rather than grazer's, and relish a very diversified diet.

It is best to have the land well fenced, and a good fence consists of woven wire twerry-six inches high, with a strand of barbed wire three inches above it, and another strand six or eight inches above that. The tendency of a goat is rather to squeeze through or crawl under than jump over an obstacle.

The goat should be exceedingly valuable to persons dwelling in an arid or semi-arid country, for she will not only make a living, but thrive, and supply a generous quantity of delicious milk and wholesome, palatable meat, where the cow would perish from starvation. Of course, on such land a goat should have free range.

Easily handled, readily finding her own food, and transported with hut little trouble, the goat makes a fine foster mother for infants, and has been used to raise lambs, calves, and by the irony of fate, one was foster mother to a lion cub in the Zoological Gardens in Paris.

It is surprising how small a quantity of water will snffice for a goat, and she must be frequently encouraged to drink.

The Angora produces mohair, and is largely used as a means of destroying brush and shrubbery on newlycleaned land, but is not a milch goat.

The garden refuse, clean and fresh, with scraps from the kitchen, supplemented with some sweet hay and a little grain, will be ample to feed these animals. Their kids, if pure bred or cross bred, will bring enough to pay for all the bought feed for a year. A first-class milch goat, pure bred or cross bred, giving a gallon of milk a day when fresh, will readily bring \$50.00 to \$100.00 or more. But even at that apparently high price they are exceedingly/scarce, and for every doe kid a breeder has sold, he has had not less than fifty chances to sell the same kid. Following are the names and addresses of a number of milch goat breeders in the several States:

D. R. Schmidt, Hannibal, Mo.—Anglo Nubians, Toggen-hurgs, and grades.

Esther Tufts, Meredith, N. H.—Saanen and Toggenburgs.

Edwin W. Pritchett, Rt. 1, Long Beach, California—Swiss Toggenburgs.

Will L. Tewalt, Richey, Miss.—Pure Toggenburgs.

Victor D. Hondt, Spankle, Washington.

Fred C. Lounsbury, Plainfield, N. J.—Anglo-Nubian and Toggenburg grades.

G. T. Etzel, 293 Ocean Parkway, Brooklyn, N. Y.

Miss H. A. Wood, Swiss Goat Dairy, Pasadena, California—Purebred Swiss Toggenburgs.

FLORIDA BREEDERS.

Eppie L. Barber, Lake Worth.
William B. McCain, Clement.
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The Walkill Stock Farm Co., Green Cove Springs, Fla.

ANGORA GOATS AND SHEEP IN FLORID! WHY NOT BOTH?

By H. S. Elliot, Chief Clerk Department of Agriculture.

In the interest of sheep meat of the highest quality we suggest the growing of Angora Goats in Florida, as well as sheep. We offer some suggestions to thoes interested, which we hope will induce the growing of Angoras on a much larger scale in Florida than bereiofore. But before deciding upon which is the more profitable for the farmer it will be necessary to look into the habits of both. The habits of sheep are so well known that it would seem to mention them is a waste of ink, but in order to make a comparison it is necessary to do so. Goats and sheep belong to two different classes of ani-The sheep are grazers, eat grass; the goats are browsers, eat the twigs and shrubs. Sheep love to nin the short and tender grass close to the ground. Goats prefer the leaves and twigs of shrnbs and want to feed with head up and hate to lower the head to get a bite. The goat prefers to eat the top off everything he comes across, weeds brush, briars, etc. How often do we see spots in the sheep pasture where the sheep have eaten the grass to the roots and left other places where the grass had grown np and covered the ground with fine grass, because they had gotten this one spot eaten down until it is very short and tender they kept it there (because it is tender) until it is so poor it will hardly produce grass at all. Goats eat the coarser foliage in their pasture such as brush, briers and weeds, and leave the grass for the other stock until the former is all consumed. No other stock will feed after sheep, but they do not object to eating after goats. Turn a flock of sbeep into a wheat stubble sown to grass badly grown up with weeds, etc., and the sheep will make paths through the weeds and eat np the young grass and probably kill it. Turn

goats into the same field and they will eat off the weeds and leave the grass to grow. Wild carrots, daisies, cocklebnrs, thistle, and such weeds have no terror for the man who keeps goats, as they make good grazing in Summer, and if cut before they bloom good hay for Winter.

Fencing:

Goats are not hard to fence if they have never been in any inclosure except a corral, and hence do not know how to jump. Any good fence will turn them; they are more apt to crawl under than jnmp over. But when they do learn to jump they are good at the job. wire fence three feet high is an ideal goat fence; one with square meshes is preferable, with stay wires not closer than twelve inches apart. Angora goats breed but once a year, and usually bring forth their young in late Winter or Spring, usually one, but sometimes twins. The kids are delicate when first horn, but when once filled with mother's milk they stand lots of exposure. Fall is the best season to hny goats, and then you can see the mohair, and it has not added much to the price. If you buy in the Spring you must hay the fleece as well as the goat. Shorn goats all look alike, and no one can tell a good-haired goat after it is clipped. Does are more apt to disown their kids if moved close to kidding rime.

THE FLESH.

The fiesh of the Angora goat is considered superior to mutton hy everyone who has eaten it. It has a wild gamey flavor, and is called Angora venison hy a great many in the Western markets, because it has the same flavor as venison. This is because hoth are hrowsers are not grazers, and as they both live on the same kind

of food, it is natural their flesh should have the same flavor. The flesh of goats raised on grass alone resembles mutton more than venison. All animals that are shorn for their fleece should be kept out of the rain as much as possible, and some breeders of fine sheep bring in their sheep whenever it looks like rain because sheep having such a thick coat of wool over their backs do not care for the rain and will not go to shelter. But the goat whose hair parts on the back and leaves his back to take the raiu will rush pell-mell to shelter from the slightest shower and stay there until it ceases, or he is compelled to go out on account of hunger.

But about the returns from keeping these two kinds of animals. We all know that good sheep shear from 5 to 8 pounds of wool worth from 25 to 40 eents per pound at this time, and the heavier the fleece (other things heing equal) the less the price, so much so that ram's lleeces that weigh as much as 15 pounds and over bring but half price. With the heavier fleece bringing the lowest price it is not much inducement for the sheepman to breed for the heavier fleeces. With the Angora goat it is just the opposite. Mohair, the fleece of the Angora goat is worth one year's growth from 75 cents to \$1.00 per pound at this time, while good long hair (12 inches and up) is worth from \$1.00 to \$6.00 per pound, according to coudition. It has been grown 22 juches long in one year and to weigh 21 pounds to the fleece. Two buck fleece grown in Montana weighed 42 pounds, and brought \$6.50 per pound, and a doe's fleece in New Mexico weighed 14 pounds and sold for \$43.00. A buck's fleece in New Mexico weighed 191/4 pounds and sold for \$84.00. you see that the longer and heavier hair that you can grow the better price you can get. There is a market in New York and Boston fo: mohair 12 inches and over in length at \$1.00 to \$6.00 a pound. And evidence that it can be grown 12 inches and over in length is shown in the fact that no buck can be eggistered in South-Africa that does not show a growth of 12 inch hair in 12 months. Goat raising in the United States is in its infancy, and yet we are producing some of the finest mohnir in the world. The man that will feed and breed his goats with the same care as his sheep will soon be producing a quality of hair that will top the market and he will have no briars, hrush or noxious weeds on his farm. The United States Department of Animal industry is authority for the statement that 40 goat swill clear as much land as a man with a mattock and do it much better, and that there are millions of acres of land in almost every state that could he doubled in value by keeping goats on it for a few years.

Climate:

Goats have been successfully raised from Mnine to Texas, and in Asia Minor, where they originated, the climate is similar to the United States, with hot suminers and cold winters, with snow and rain.

GOAT INDUSTRY.

The raising of Angora goats has more to work up to than any other animal industry, as by careful breeding and feeding one can increase the clip of his goats fully 300 per cent. And increases the price of the hair at about the same rate, and at the same time free the land of brush and weeds, so the pasture will look like a lawn.

ADAPTABILITY.

The Angora goat is as adaptable to Florida conditions, climate, etc., as our common goat, and far more profitable as the foregoing article shows. We advise our people to grow them. Their mobair is the most valuable wool in the world, their flesh is in every respect equal to mut-

ton, and the cost of their keep is less than any other food animal in the world.

The following bulletin by the United States Department of Agriculture will be interesting:

THE ANGORA GOAT.

U. S. Department of Agriculture, Farmers' Bulletin No. 573. Contribution from the Bureau of Animal Industry, A. D. Melvin, Chief, April 27, 1914.

ORIGIN AND DISTRIBUTION.

The Angora originated in the vilayet of Angora in Asia Minor. This location and South Africa are today the two large foreign centers of mohair production.

The Sultan of Turkey passed an edict in 1881 prohibiting the exportation of Angoras, expecting thereby to confine the industry to Asia Minor and have a monopoly upon the mohair trade.

In 1901 Sonth Africa also passed a law for the same purpose, which is usually referred to as the Angora export-duty act. This act provided for an export duty of £100 (\$486.65) on each Angora goat exported. Since that time importations have been entirely prohibited.

It was feared for a time that prohibiting the importation of breeding stock would have a bad effect upon the industry in America, but later evidence has indicated that some of the hest blood had already been brought to the United States and that deterioration apparently does not take place here, as experts say that the best American product is equal to the best grown in Turkey or South Africa.

Faith in the excellence of American Angoras has been demonstrated by other nations, as quite a number of exportations have been made from the United States. In 1894 six Angoras were exported to Sonth Africa from California, and the next year 20 bucks followed for \$1,000 cash. Canada, Alaska, and some of the Pacific Islands also have flocks that came originally from California. Recently exportations have been made to Brazil and Argentine Republic.

The Angora was evidently bred pure in Asia Minor for many years previous to the last half century. About 50 years ago they were largely crossed upon the common Knrd goats of the district. Some authorities give their opinion to the effect that not a flock escaped the influx of Kurd blood. This has generally been considered a very harmful proceeding, and many hold that kemp in the Angora's fleece is stil an outward sign of the presence of this foreign blood.

The Angora, as bronght from Turkey, was considered too small for American purposes and was largely crossed upon the common goat. One eminent Angora authority has said that he doubted whether there was n purebred Angora in America. This statement is probably a little overdrawn, as other well-known Angora breeders claim that some flocks have been kept entirely pure but undoubtedly crossing was at one time a very common practice. The purposes were to obtain a larger, hardier animal, and to increase the breeding stock. This has largely been accomplished, and it is the general opinion that the American Angora is better suited to local conditions and gives wider satisfaction than the original could ever have done.

4 DESCRIPTION OF THE AMERICAN ANGORA.

The Angora, as bred in the United States, is almost pure white, but occasionally a black one appears. Some profess to see in this the cropping out of impure strains of blood. Both sexes are usually horned, but polled individuals occur. The ears are either partially erect or

pendulous. The body should be built upon lines denoting a good constitution and should be symmetrical. The ficcee should cover all parts of the body except the inside of the upper part of the legs; should be of fine quality, closely curled, of a high luster, and as nearly as possible free from kemp.

IMPORTANCE OF THE ANGORA.

New uses are constantly being found for the Angora. Their value in clearing up brush lands has been mentioned in the introduction, but it is worthy of more extended discussion. It is estimated that there are 3.000,000 acres of logged-off lands in the Northwest that could be profitably converted into homesteads. Already many fields in this section have been enabled to smile under hountiful harvests made possible by the repeated browsing off of the brush by the Augora. Many settlers who have developed farms in this section are loud in their praise of the Augoras and attribute their rapid progress, to the use of this animal.

The following indicates a new use to which the Augora has been placed in the West:

Angora Goats to Prevent Forest Fires.—In order to keep the fire breaks on the southern California forest reserves clear of weeds, an ingenious plan has been put into operation which will save the Government thousands of dollars and incidentally provide forage for large herds of Angora goats. The plan was originated by Forest Supervisor R. H. Charlton, of Los Angeles, and provides for free grazing for a herd of 600 goats on the reserve. They were shipped into the State from Arizona and allowed to roam at will over the parts of the range where their services are required. Their help to the forest rangers is in keeping down the growth of weeds, grass and small shrubs on the strips of cleared land, known as fire breaks, which follow the ridges through the

and serve to check the spreading of forest fires. These fire breaks are of little value unless such growth is kept down, as the weeds and grass dry up in California Summers and would carry the flames across the clearings. The goats feed close, keeping the fire breaks hare of vegetation, and thus do the work of gangs of laborers. In this way the Government's pay roll is kept down, while the owners of the goats are provided with free grazing for their berds.

The invernrban Railway Company between Seattle and Tacoma recently purchased a band of Angoras to keep their right of way clean and attractive. The above two are simply examples of a general type that may suggest local uses to which the Angora might be suitable.

It should not be thought that the West is the only part of the country where the Angora will fit in. In the Ceutral West, many pasture fields that have "grown np" while other stock was being pastured upon them could be reclaimed and made to carry more stock by their use. In the South there are also many abandoned fields that might profitably pasture a hand of Angoras. and gradually be made ready for cultivation.

While the Angora will get along upon grass and weeds it is more satisfactory to have a browse in connection with these. Browsing is the natural way for them to feed and they do not generally give the best results anless they have access to a certain amount of brush, etc. However, it should be stated that rough brush land is not suitable for growing extra long mohair, especially after the fleece is about 6 inches long.

The question as to whether goats can be pastured with other live stock can be answered in the affirmative. Their presence is in no way objectionable to cattle and sheep. In the case of the latter, a few goats are often allowed to run with the flock for the purpose of keeping the dogs away. It is doubtful whether this purpose is ac-

complished, as there are instances where the goats themselves have been killed, but it illustrates the point that the sheep and goats feed together satisfactorily.

Allowing goats to run with horses is not objectionable to the latter, but there is danger of the goats being kicked. Accordingly, this plan does not give very great satisfaction. This is even more true with jacks and young mules. Pasturing with hogs is generally impractical because of the danger of the hogs devouring the young kids.

Regarding the number of goats that can be pastured per acre, only general figures can be given. The soil length of pasture season, the climate and whether the pasture is to be permanent or the goats turned in merely to clean up the brush are some of the factors deciding this. There are sections unsuitable for cultivating purposes where it might be desirable to pasture the goats year after year. Eating off the browse too closely would kill it, hence it is desirable under these conditions to have several fields that are pastured for short periods in rotation. Even then the goats will often peel the brush and gradually destroy it.

For cleaning up brush land for other agricultural purposes from two to five goats per acre from two to four years will usually do the work. It has been asserted that the Angora can eat all kinds of poisonous plants without ill effects. They naturally feed upon a wide variety of vegetation, browsing a leaf here and another there, and the amount of the poisonous plants consumed at any one time is usually small. No bad results would be likely under these conditions. There are other records of where hungry goats have been turned in upon fields containing little else than poisonous plants and of large numbers dying because of having eaten heavily of them. This has been found true of the laurel plant especially. Green brier has also been found objectionable, but from another standpoint. This applies especially to goats with

considerable length of fleece. They become entangled among the vines and frequently die, being unable to free themselves.

VALUE AND USE OF MOHAIR.

. It has often been said that the Angora works and pays for its board at the same time. The value of the fleece or mohair is considerable and is increasing. The ideal fieece should possess length, quality or fineness, Inster, strength of fiber, freedom from kemp, and it should be closely curled hut not kinky. Mohair is made into plush for railroad cars and unholstering farniture. It is also used for antomobile tops, coat linings, dress goods, men's summer suits, braids, rugs, carriage robes, imitation furs, couch and table covers, sofa pillows, portieres, and curled false human hair. For a number of years the price of mohair varied between wide imitations, depending upon the decree of fashion, but during the past few years there has been a steady increase in price, undoubtedly caused by the more extended use of the prticle, and fashion no longer plays an important role in determining its value.

The weight of fleece for American Angoras ranges from 2 to 12 pounds. The average weight of fleece has been placed at 2½ pounds for one year's growth. Shearing once a year is practiced, except in the Southwest. Here climatic conditions are such that the Angoras often shed their fleece if not clipped twice, hence they are usually shesred both in the Spring and Fall. Where the fleece is allowed to grow for 12 months the average length is about 10 inches. The total production of mohair in the United States for 1913 will probably approach 5,000,000 pounds. The best of it comes from the Northwest. In Oregon, Polk County leads and the product of this county has sold for from 42 to 55 cents per pound for the past few years. The Northwest Angora Goat Association reports an average cash production of about \$1.75 per head.

with many flocks averaging as much as \$2.25. From superior flocks of California and Oregon it is not unusual to get 15 to 20-inch stple in one year's growth. In Texas and New Mexico much mohair falls under the 6-inch standard (because of shearing twice a year), which is the shortest length generally desired. The short product is largely responsible for the lower average quality of American mohair. The Southwestern product shrinks heavier than that from other sections. This is especially true of the Arizona and New Mexico product, but some Teaxs hair shrinks as light as 5 per cent. California mohair often has a characteristic reddish cast.

Notwithstanding the large domestic production about 2,000,000 pound of mohair are annually imported into the United States. The imported mohair is of better quality than the average American product. If the practice of clipping twice a year could be abolished, the difference in quality would probably largely disappear, as these short fleeces reduce the average quality to a considerable extent. The shrinkage of American hair is said to average more than that imported, but some American authorities dispute this statement. The shrinkage is estimated at from 12 to 15 per cent. The shrinkage of Arizona and New Mexico mohair is largely due to dirt. etc., while that of the Oregon hair is caused by natural grease. In most cases the foreign mohair is blended with the American product and spun in this manner. The aim for future advancement in this industy should be toward increasing the average quality rather than the quantity of mohair produced. There need be no discouragement in this, as it has already been said that the best mohair of this county is equal to any produced. Another word of encouragement is spoken by competent anthorities praises the marked improvement that has already taken place in American mohair, both in the matter of quality and freedom from kemp.

The best mohair comes from the kids, the young

wethers, and does. As the goat grows older the hair becomes coarser and gradually loses its luster and curling qualities. The production of extra long mohair, from 12 to 24 inches, has been the subject for considerable discussion of late. This quality of goods is used for making false hair, etc., and sells for a much higher price than the ordinary grades. A notable instance is the one of the fleece of Romeo, sweepstakes buck at the El Paso show in 1910. It weighed 18 pounds, measured 2034 inches in length, and sold for \$115. This quality of hair could not be grown, however, under average conditions. It could not be produced upon rough hrush land nor under any conditions where feed and care were not the best. In the Southwest it would be difficult to produce it, on account of climatic conditions, yet some breeders have succeeded in producing an excellent quality of fiber in this section.

As a rule, the extra long fleeces must be allowed to grow for a longer time than 12 months. Some anthorities claim that certain non-shedding goats are essential for the production of the extra long fleeces; others dispute this, maintaining that care, food and climatic conditions are the deciding factors.

CARE OF FLEECE.

Mohair fleeces should not be tied, but should be rolled up, cut side in, and in suitable bags. Bags that have previously been used for wool should never be used, as the wool fiber that adheres to the sides becomes mixed with the mohair. It will not take the dye used for mohair, and is the source of considerable troubel in the manufactured goods.

A great deal of American mehair is sold direct to the mills by the producer. Quite often it is pooled, and the growers of the Northwest have realized considerably better prices by this method of sale. Commission men also handle this product. Some of the principal mills in this country are the Sanford Mills, Sanford, Me.; the Massachusetts Mohair Plush Co., Lowell, Mass.; the Queenshury Mills, Worcester, Mass., and the Multnomah Mills, Portland, Oregon.

The skin of Angoras with the hair attached are some times tanned for rugs and carriage robes. This material is also used for making muffs, trimming coats, etc. It makes a very attractive "fur." With the hair removed, the skins are also tanned and made into leather. This is not suitable for the production of kid gloves or shoes, but is sometimes made into morocco and similar grades, the poorer product being used for the manufacture of workmen's gloves.

ANGORA MUTTON.

The flesh of the young Angora is delicious, although there has been a prejndice against its use. Kansas City is the leading goat market in America. Two classes of goats are offered for sale, designated at "fat" and "hrushers." The fat class are those in condition for slanghtering, and the "brushers," as their name would indicate, are stockers of the caprine family. The average weight of goats at Kansas City is 68 pounds.

Because of the prejudice against Angora mutton it has been almost invariably passed over the counter as lamh. In Oregon a law has been passed making it necessary to properly label the carcass. That the Angora will not suffer from this is evinced by the fact that the carcasses have previously sold as lamb and that the consumer has been unable to detect any difference. As soon as the excellence of Angora mutton is more commonly appreciated, it will undonbtedly be in greater demand and its value will be enhanced accordingly.

ADAPTABILITY OF ANGORAS.

So far as temperatures are concerned, the Angora flourish in any part of the United States. In Turkey and South Africa the ranges in temperature are almost if not quite as great as those of the United States. It is claimed that the coldest weather will not affect them, provided it is dry. In Montana the goats are undaunted by the heavy snowfalls so long as they have a dry place for the night.

In Texas, New Mexico and Arizona the high temperatures make it necessary to shear the goats twice a year, hnt the heat has apparently no ill effects upon the health of the flocks.

Wet and swamp land, wherever it may be, is unsnitable for Angoras. The native home of all goats is upon the high hills and mountains and their preference for altitudes is still manifested by their ascending to the highest available point, if it is only the feed trough. Well-drained land and pure water are very essential for the health of the flock. The fact that these conditions are common to considerable portions of this country, and that flocks of Angoras are to be found in almost every State, would indicate that the country as a whole is fair ly well adapted to the Angora industry. However, a closer scrntiny of the conditions will show that some sections are especially favored, and that the industry will probably always be largely confined to these. The large areas of new lands, the comparative low values of these. and the almost ideal climate have combined to create and maintin the industry in the Willamette Valley and the surrounding country, and the great amount of cheap range lands in Texas, Arizona and New Mexico has fostered it in the Southwest.

BUILDING UP A FLOCK.

As mentioned before in this bulletin, when Angoras were first brought to America, considerable crossing was practiced with the common goat. At that time breeding stock was scarce, and it was necessary to increase the supply by and practical means. It was found that the first and second crosses upon the common goat produced little mohair and a large amount of kemp, and that it was necessary to cross with a pure Angora five or six times before a really superior animal could be produced. In the past the fifth cross has been considered to produce a purebred. Beginning with common does and crossing with Angora bucks was necessary at the beginning of the industry, but it would no longer be profitable to start a flock in this way. It would be far better to buy a few purebred Angoras outright and develop a flock from these by the natural increase.

MANAGEMENT OF THE FLOCK.

Coutrary to a former common opinion Angoras need considerable eare and personal attention. The kids are especially in need of this, and if it is denied them a large mortality among them often results. For this reason it has been found inadvisable to turn them out with the does before they are 6 weeks or 2 months old.

Sheds or other shelters must be furnished both in the adults and the young, and if the country is infested with dogs or wild animals a dog and wolf proof fence should be huilt about the pasture. The expense of this will be repaid in a few years.

The management of a flock of Angoras does not differ radically from that of a flock of sheep. It is not considered necessary to have a herder constantly present with the flock. A dog is often sent out to herd and guard them, the herder riding out two or three times during the day to note the direction of the flock and see that they do not roam too widely.

BREEDING.

The age at which the does should be bred bas an important hearing on the welfare of the flock. The general opinion prevails that if they are forced to bear the burden of reproduction before thew are 18 months old their growth will be stunted. Neither is it regarded advisable to use the bucks for breeding purposes before they attain this age.

The goats are supposed to be in their prime when from 2 to 6 years of age, but they have been known to reproduce regularly up to the age of 15 years. It does not generally pay to keep them too long, as the mohair becomes continually coarser with advancing age.

The does come in heat during August and September. The hucks also have a period of heat, but it usually starts sooner and lasts longer than that of the does. The time the does should be bred depends upon the climate. The kids are not so hearty or able to take care of themselves as lambs. If they come early and have not proper shelter and care a great many of them will die if the weather is cold and wet. A single bad night has caused the loss of 50 per cent of the kid crop in flocks of the Southwest where the shelter was insufficient.

The number of does a buck will cover satisfactorily depends upon the vigor and fertility of the individual and the care and food received. From 40 to 50 is a common average. The gestation period is from 147 to 155 days, or 5 months, as it is more commonly expressed.

NUMBER OF KIDS.

The does usually drop single kids, twins being rather uncommon. The Tariff Board found that the kid crop

iu the flocks investigated was about 65 per cent. Some authorities hold this figure too low. It is certain that in some well-managed flocks the average is from 100 to 120 per cent. A record of extraordinary fecundity is the one of a doe that produced twins, quadruplets, and triplets in three successive seasons.

FEEDING.

It is a good plan to feed a little heavier previous to kidding to start the milk flow. A small amount of grain is often desirable. It is not meant by this that the goats should be underfed at other seasons of the year. Some people have been of the opinion that all that is necessary for the Angora is to turn them out in the Winter, regardless of the depth of snow. They cannot be expected to browse under these conditions if they cannot reach the twigs. Some breeders cut down the high trees, and this makes very satisfactory browsing, but other feed, both hay and grain, is necessary, especially in the Northern climates, if good results are to be expected. Flocks have been wintered out, however, without artificial feeding as far north as Nevada.

Angoras are very particular about the cleanliness of their feed, and if it be pulled out of the manger and trampled under foot they refuse to touch it. For this reason it is considered the hetter plan to have an opening in the manger large enough to permit the entrance of the goat's head rather than to make it small, thus necessitating the pulling out of the hay in bunches with a large part of it falling upon the ground.

SHEARING. .

In the Sonthwest shearing is done during February and March in the Spring and the Fall clip is removed in September or October. In other sections shearing usually takes places during March and April. It should be done before shedding begins, but it should not take place too early or the goats may suffer severely from the cold. Both hand shears and machines are used, but shearing by the latter means has increased rapidly during the last few years.

Goats are not so gentle in the hands of the shearers as sheep, and many men, especially beginners in the industry, are anxious to know how best to handle them during the operation of shearing.

The late F. W. Ludlow, of Lake Valley, N. Mex., devised a shearing table, which has proved to be of great service. It is a collapsible trough, or combination table and trough.

Mr. Ludlow's description of this table is given here with:

The table is simple in construction. It is about 22 inches high, 2 feet 10 inches long, and 21 inches wide. The top is composed of two 9 inch sides, which are hinged to the 3-inch centerpiece. On the lower side of these movable flaps is a narrow piece 8 inches long, which catches on the framework of the table when the sides are lifted and holds them stationary. When the sides are elevated the top of the table forms a trough 3 inches wide at the bottom and possibly a foot wide at the top., Into this trough the goat to be shorn is thrown, feet up. A small strap, which hangs from the end of one of the sides. is run over the goat's neck and fastened to the other side. The goat's head is hanging over the end of the table and the strap prevents it getting free. The belly and legs are then shorn. The legs of the goat are then tied to gether, the strap removed from the neck, and the sides of the table dropped, so that one has a plane surface on which to shear the rest of the animal. An untrained man can shear 100 goats a day with a shearing machine and such a table...

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THE KIDDING SEASON.

The kidding season is an important one upon the Augora farm, and problems are presented that are often puzzling, especially to the beginner. The following two methods of handling the flock as described by a Western breeder have given general satisfaction.

The Corral Method.—This method may be used with any number of goats. With various modifications and adaptations which best suit the size of the flock, the climatic conditions, the facilities for feeding, etc., it may be used by the beginner with success. We have practiced this method in Nevada for more than 25 years. If the herd is a large one, say 1,000 head, three men are required to handle the goars at kidding time. The service of the bucks is so managed that the kids will be dropped gradually several weeks. At the height of the season we expect from 75 to 100 kids a day. The season lasts about 30 or 40 days. Fortunately, most of the kids are dropped in the daytime.

We have four or five small corrals fenced with 36-inch woven wire and large enough to hold 50 does and their kids. The doe should be allowed plenty of room, because if too close to her neighbor she may adopt the other doe's kid. Besides these small corrals, two large ones are needed, each large enough to hold 1,000 does. Along the fence of one of these corrals are a dozen small pens just large enough to hold a doe and kid. At the gate of this large corral a jump board is placed. This jump board is intended to keep back those kids which are not large and strong enough to jump over it. A 2-inch board about 18 inches high will answer the purpose. Another device sometimes used is a platform open at the end, so that the kids may run under it, and thus avoid being trampled upon when the goats are going out over the platform.

The small corrals may be made of panel fence and located in a meadow where some feed is afforded. The

does should always have some kind of feed at kidding time.

In the morning the flock is carefully examined, and all does which show signs of kidding during the day should be separated and placed in one of the small corrals. The large flock is now turned out, and one of the men is sent with them with instructions to take the herd at once as far as he intends to go for feed that day, and then to · let them feed over a limited area and gradually work their way home. A few does will drop their kids on the range, and the herder should carefully note the number and their location. He should see that the herd does not feed around one of these does, as she is apt to leave her kid and join the band, thus necessitating much extra work in finding the kid and in giving it to its mother. Early in the afternoon the hand is placed in one of the large corrals. Now, the herder and another man go out with a wagen or on foot and carry the kids home, gently driving the mothers. The kids should not be handled or rubbed against one another more than is necessary, as the doe knows her kid by the scent. These does and kids are placed in the small corral which contains the does held back in the morning with the expectation that they would kid during the day. We now have one day's kidding in one of the small corrals. The does and kids should be watched to see that they are properly arranged. Do not bother them more than is absolutely necessary. Do not be in a hurry to make a doe own a kid. Do not drive the goats around one of the small pens.

The does should remain with their kids in the corrals for a day or two at least, or until the kids are properly mothered. Any does which have not kidded should be taken out. The next morning any kids which may have been born during the night are put in another small corral with their mothers, as well as the does which are expected to kid during the day. The procedure of the pre-

vious day is repeated. In about three days, if one has limited quarters, the first day's mothers and kids may be put in the second large corral—that is, the one with the jump board at the gate. Now this "wet" band is placed in charge of one of the men and sent out to feed. The gate is opened, the mothers passing out over the jumn board, and the kids remain in the corral. herder must not range his goats near the does that are kidding upon the range, and he should be cautioned to come in later than the "dry" hand, so as to avoid any possibility of their mixing. When his band arrives at the corral, the gate is opened and each mother hunts for 'her kid. Some of the kids may not find their mothers, and if after a day or two there are a few unnourished kids and some does not over-distended udders they should be placed together in the small pens along the side of the corral. The doe will own the kid in a day or two whether she is its mother or not. The kids should not be allowed to become too weak hefore this is done. If one does not have enough small pens a doe may be held while two or three kids suckle her, and thus tide then over until some of the small pens are vacant.

The next day the second day's kidding is added to the wet band. The wet band thus gradually grows, while the dry hand decreases. During the day two men will be employed at herding the dry and wet bands, respectively, and the third man will be kept busy inspecting the kids, feeding the does in confinement, etc. If the weather is stormy, some of the kids will have to be sheltered. The advisability of having kids dropped gradually through a period of 30 or 40 days will readily be seen. If help is inexperienced, that may be gradually trained, or if the weather is stormy there will be time to get all things arranged properly.

The kids should not be allowed to go with their mothers until they are about 6 or 8 weeks old. If they go before this, they will probably become tired very soon

and go to sleep. When they awake, the hand will have gone and they are liable to be lost. During the day, while the mothers are feeding, the kids would eat a little grass if they could be herded near the corral.

As stated before, there may be many modifications of this method which will suggest themselves, but the above is a general outline of a method commonly in use.

The Staking Method.—This method is largely employed, even with large flocks, in New Mexico, but is possibly best suited to small flocks. It is without doubt the best method for certain surroundings. About the same amount of help will be required as with the corral method. There should be a good supply of stakes similar to tent stakes. There should also be a supply of swivel blocks which are about 4 inches long and having a bole bered near each end. A piece of rope about 6 inches long is fastened to the stake and the other end is passed through one of the holes in the swivel block and a knot tied in the end. Another piece of rope of equal length is likewise knotted and passed through the other bole of the swivel block, the loose end being tied to the kid's leg. Any swivel will take the place of this primitive method. The herder or owner can busy himself during the winter months by making stakes and swivels and by catting and attaching the ropes.

When a kid is born it is taken to a convenient place to stake, and the mother is gently coaxed to follow. The stake is securely driven into the ground, and the kid fastened to it by the hind leg. The mother is left with the kid in order that she may know where to find it npon return from feeding. The kid should be staked where he can get plenty of sunshine, shade and shelter. A small bush, a post, or a box will answer the purpose admirably. If there are twins, they must be so staked that they can suckle at the same time. The rope should be changed from one hind leg to the other occasionally to prevent

unequal development. Sometimes a vigorous kid gets thoroughly rangled and requires help.

The kid may thus be left staked until he is old enough to go with the flock, which is after six or eight weeks or he may be put in a corral after a few days, as is done in the corral method.

There are many successful breeders who use this method entirely. One may expect to get good results if he follows either the corral or staking method carefully.

There is very small loss among kids cared for as set forth above. Many of the breeders on a large scale report the percentage of increase as 100. This does not mean that every kid lives, but that so few die that the loss is offset by the number of twins that are dropped.

The most practicable fencing to be used at kidding time is made of portable panels. By the use of these panels a pen may be made larger or small, and be moved from one place to another without difficulty and with very little work.

Does will occasionally refuse to own their kids. In such cases they should be tied up and compelled to allow the kid to suck. Small claiming pens are handy for these motherlike creatures. Tying a dog near them has had the effect of inducing them to mother their off-spring sooner than they would have otherwise done.

CASTRATION.

All buck kids not intended for breeding purposes should be castrated when from 2 to 4 weeks old. This is best accomplished by cutting off the lower third of the scrotum with a sharp knife, forcing down the testicles one at a time with the thumb and forefinger of one hand and pulling them out with the spermatic cord attached with the other hand. A good firm grip should be taken so that one's fingers do not slip off. A 3 to 5 per cent

solution of creolin or carbolic acid will keep ont infection and repel the flies.

WEANING.

Kids should be weaned when from 4 to 5 months of age. Buck kids older than 5 months should never be allowed to run with the does, as they will often breed, beside causing endless annoyance to the does.

ASSOCIATIONS.

The American Angora Goat Breeders' Association was organized in 1900. This association up to the present time has recorded about 50,000 animals. Mr. R. C. Johnston, Lawrence, Kansas, is the present secretary. There can be no doubt but that the association has done the industry a great deal of good. There has been considerable agitation in favor of an advanced registry, based upon superiority of the animals entered, but it is not possible to say the exact form this movement will take.

Other associations for the promotion of the Angora goat and the mohair industries are the National Mohair Growers' Association, founded September 23, 1909, and the Northwest Angora Goat Association, which came into existence January 8, 1910.

Score CARD FOR ANGORA GOATS.

There is no official American score card, but the following has been suggested by prominent breeders. Physical animal 25 per cent, subdivided as follows:

\	\mathbf{Per}	Cent.
Size and constitution		15
Shape of body, bead, borns, ears, etc., deduct	ing	
for black spots on skin, colored hair, bl	ack	
streaks in hoofs, horns, etc., up to 10 point	9	10

.

Fleece 75 per cent, subdivided as follows:	
Must be soft, silken, velvety, with small compact	
ringlets	30
Must be of evenness in length, density and growth	
1 inch or more per month, which gives weight	20
Freedom from kemp	15
Luster	10
Total	100

PROGRESS IN THE WORK OF TICK ERADICATION FOR THE PERIOD JAN. 1, 1918 TO JAN. 1, 1919.

PRELIMINARY WORK.

	Number of	Vats
	cattle dipped.	constructed
January	12,591	25
February	4,608	23
March	. 7,532	38
April	12,706	41
May		31
June		29
July	90,168	26
August		23
September	. 122,423	39
October		16
November	126,863	8
December	. 85,555	25
Total		324
Vats previously constructe	d	516
Total dipped :	804,657	
Total vats		840

The number of cattle dipped shown in this list was done voluntarily upon the part of the owner.

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*SYSTEMATIC WORK.

	Number herds dlyped.	Number entile dipped.	Number bords free.	Number califo free.	Number berds licky.	Number eattle ticky.	Vals constructed	Virts previously constructed.
June July	2,556	42,654 64,587	1714	$\begin{bmatrix} 5.048 \\ 26,237 \end{bmatrix}$	2,194	37,667 38,350		116 116
August	5 281	74,481	3.153	48,451		26,030		116
September		73,529	4.075	57.848	1.307	15,681	1	117
October	4,259	80,740		55,787	497	5,008		117
November		61,802		00,487	437	1,879		117
December	42	428	32	371	10	57		117

^{*}This work was conducted in Orange and Lake Counties and that part of Palm Beach County north and east of the Hillsboro drainage canal.

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COUNTY DEMONSTRATION AGENTS. FLORIDA.

COUNTY.	AGENT.	ADDRESS.
Alachus	. C. D. Gunn	Gainesville.
Baker	J. S. Johns	Macclenny, '
ay		Panama City.
Bradford		Starke.
revard		Titusville.
roward		Ft. Lauderdale.
	J. E. Yon	Blountatown.
alboun		Lecanto.
lay	W. T. Nettles	Green Cove Springs.
olumbla	W. T. Henry	Lake City.
ade	J. S. Rainey	Mtamt.
)eSolo		Arcadla.
buyal		lackson ville.
Seambla	C. W. Burnett	l'enancola.
	W. II. Deen	Itunneli.
Ingler		Apalachleola.
ugaden	M. N. Smith	
Inmilton	1 S. S. Smith	Jennings.
Ternande	S. S. Smith	Brooksville,
		Plant City.
Illisboro Iloimes		
		Monticello.
Jefferson	J. L. Poore	
infarette		Mayo. Tavares.
lake	J. M. Boring	
Lee		Ft. Myers.
León	It. I. Mininews	
Levy	1 U. C. Markenski	Bronson.
liberty		Bristol.
Madlson	C. E. Mathews	Madison.
Munatee		Bradentown.
Marlon	. II. Blackburn	Ocala.
Nassan		
Okaloosa		Laurel Hill.
Okeechobee		
Orange	. E. F. DeBusk	Orlando.
Osceola		
I'alm Beoch	. R. A. Conkling	
Pasco	R. T. Wenver.	Onde City.
Pinellas		
l'olk		Kathleen.
l'utnama		Palatka,
Sant Rosa	. It. T. Oglesby	Milton.
Seminole		
Sumter		Coleman.
Sawannee	. D. A. Armstrong	Live Oak.
St. Johns	K. W. Lord	St. Augustine.
St. Lucie	Mired Warren	Ft. Pierce.
Taylor	. I. R. Moore	
Volusia	R. E. Lenfest	DeLand.
Wakulla	W. T. Green	
Walton	. J. W. Mathicon	DeFuniak Springs.
Washington	Geo. E. Mend	Chipley.

COMMERCIAL ORGANIZATIONS OF FLORIDA.

(List Compiled in 1919)

Chamber of Commerce, Apalachicola, Franklin County. Board of Trade, Apopka, Orange County. . Board of Trade, Arcadia, DeSoto County. Board of Trade, Archer, Alachua County. Commercial Club, Auburndale, Polk County. Board of Trade, Avon Park, DeSoto County. Board of Trade, Bartow, Polk County. Board of Trade, Bouifay, Holmes County. Board of Trade, Bradentown, Manatee Connty. Board of Trade, Brooksville, Hernando County. Chamber of Commerce, Callahan, Nassau County, Board of Trade, Carrabelle, Franklin County. Board of Trade, Cedar Keys, Levy County. Chamber of Commerce, Chipley, Washington County. Chamber of Commerce, Clearwater, Pinellas County. Board of Trade, Dade City, Pasco County. Board of Trade, Davenport, Polk County. The Commercial Club, Daytona, Volusia County. DeLand Commercial Club, DeLand, Volusia County. Board of Trade, Eustis, Lake County. Board of Trade, Fernandina, Nassau County. Board of Trade, Fort Landerdale, Broward County. Board of Trade, Fort Myers, Lee County. Ft. Pierce Chamber of Commerce, Fort Pierce, St. Lucie County.

East Coast Chamber of Commerce, Fort Pierce, St. Lucie County.

Board of Trade, Gainesville, Alachua County.
Boosters' Club, Grand Ridge, Jackson County.
Board of Trade, Green Cove Springs, Clay County.
Boosters' Club, Greensboro, Gadsden County.
Board of Trade, Haines City, Polk County.
Board of Trade, Havana, Gadsden County.

Board of Trade, Hilliard, Nassau County.
Chamber of Commerce, Jacksonville, Duval County.
Board of Trade, Jasper, Hamilton County.
Board of Trade, Kathleen, Polk County.
Board of Trade, Key West, Monroe County.
Kissimmee Board of Trade, Kissimmee, Osceola Coun-

ty.

Chamber of Commerce, Lake City, Columbia County.
Chamber of Commerce, Lakeland, Polk County.
Board of Trade, Leeshurg, Lake County.
Chamber of Commerce, Live Oak, Snwannee County.
Baker County Board of Trade, Macclenny, Baker County.

Chamber of Commerce, Miami, Dade County.
Chamber of Commerce, Millville, Bay County.
Commercial Associatiou, Molino, Escamiba County.
Board of Trade, Moore Haven, DeSoto County.
Board of Trade, Mulberry, Polk County.
Board of Trade, Mt. Dora, Lake County.
Board of Trade, New Port Richie, Pasco County.
Marion County Board of Trade, Ocala, Marion Connty.

Board of Trade, Okeechobee, St. Lucie County.
Board of Trade, Orlando, Orange County.
Board of Trade, Palatka, Putnam County.
Board of Trade, Panama City, Bay County.
Chamber of Commerce, Pensacola, Escambia County.
Taylor County Board of Trade, Perry, Taylor County.
Chamber of Commerce, Plant City, Hillsborough Connty.

Board of Trade, Punta Gorda, DeSoto County. Boosters' Club, Quincy, Gadsden Connty. Board of Trade, Quincy, Gadsden County. Board of Trade, Sanford, Seminole County. Commercial Club, Sarasota, Manatee County. Board of Trade, Seffner, Hillsborough County. Board of Trade, Starke, Bradford County. Chamber of Commerce, St. Augustine, St. Johns County.

Board of Trade, St. Cloud, Osceola County.

Board of Trade, Sebring, DeSoto County.

St. Petersburg Board of Trade, Pinellas County.

Tallahassee Chamber of Commerce, Tallahassee, Leon County.

*North Florida Chamber of Commerce, twenty comties; headquarters, Tallahassee, Leon County.

*Note: The North Florida Chamber of Commerce will give information about towns of North Florida that have no commercial organizations, from Hamilton. Suwannee and Lafayette counties westward to Escambia County.

Board of Trade, Tampa, Hillsborough County.

Board of Trade, Tarpon Springs, Pinellas County. Pinellas County Board of Trade, Tarpon Springs, Pinellas County.

Board of Trade, Titusville, Brevard County.

Brevard County Board of Trade, Titusville, Brevard County.

Board of Trade, Trilby, Pasco County,

Board of Trade. Umatilla, Lake County.

South Florida Chamber of Commerce, Valrico, Hillsborough County.

Board of Trade, Vero, St. Lucie County.

Board of Trade, Waldo, Alachua County.

Board of Trade, Wanchula, DeSoto County.

Chamber of Commerce, Webster, Sumter County.

Association of Commerce, West Palm Beach, Palm Beach County.

Board of Trade, Winter Haven, Polk County.

Board of Trade, Winter Park, Orange County.

Board of Trade, Zephyrhills, Hillsborough County.

All special detailed information relating to localities covered by the organizations above named, will be promptly supplied on application.

POPULATION TABLES OF INTEREST.

FROM TABLE NO. 14.—POPULATION OF STATE BY RACES AND SEX IN CONGRESSIONAL DISTRICTS, BY COUNTIES: CENSUS 1915.

COUNTIES.	Total Popula- tion of State 1915.		v	othig A	ges, 191	lő. 🧖
, CONTIDU	White	Negro	White mater	White females	Negro males	Negro females
'Fotal for First Can- gressional District	169,155	58,275	50,112	42,220	19,787	14,601
Citrus DeSoto Dernando Hillsherough Lake Lee Minnatee Paseo Pinellas Polk Sumier Total for Second Congressional District	7,187 14,144 27,972 4,934	3.097 17,880 4,488	5,499 989 19,120 2,448 2,264 3,251 2,242 4,625 7,551 1,298	4,418 786 16,158 2,243 1,720 2,720 1,833 4,212 6,283 1,003	880 1,177 1,169 6,062 1,546 613 1,645 946 1,445 3,802 702	680 639 5,403 1,004 384 1,124 527 1,331 2,499 500
Alachua Baket Bradford Columbla Hamillou Jeffersop Lafayette hevy Madison Marion Nassau Suwannee	15,919 4,263 11,665 7,710 6,856 3,910 6,437 6,192 7,913 11,865 5,276 11,815 6,097	873 4,537 8,818 5,628 12,287 1,423 5,800 9,010 16,746	4,238 1915 2,770 1,974 1,783 1,041 1,649 1,671 2,505 1,411 2,808 1,759	833 2,529 1,787 1,764 939 1,298 1,367 1,815 3,114 1,028 2,760	4,919 1,199 1,350 2,470 539 1,005 2,111 4,618 1,343 1,884 2,060	4,373 1,64 953 1,803 1,203 2,736 2,736 2,040 2,040 2,010 1,198 1,881

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POPULATION TABLES OF INTEREST-Continued.

-						
Total for Third Con- gressional District	100 000	03,729	31,897	28,704	23,309	22,714
Bay Calhoun Escambla Franklin Gadsden Holmes Jackson Leon Liberty Okaloosa* Santa Hosa Wakulla Walton		6,111 4,898 4,442	2,720 1,178 7,150 7,52 1,905 2,805 4,153 1,304 801 3,604 3,008	6,509 760 1,765 2,580 3,927 1,37:1 517 3,141 617 2,800	1,469 678 4,163 781 3,384 490 3,530 3,310 702 1,917 963 1,226 728	930 481 4,457 745 3 915 503 3,728 3 955 480
Washington	8,128	2,995	1,881	1,548	728	580

This county was created out of Santa Rosa and Walton Countles, but dld not become a county under the law creating it until after the census was token.

Total for Fourth Con- gressional District	157,491	105,611	50,702	43,917	34,604	28,681
Brevard	5.142	2,072	1.641	1.332	721	408
Broward	3.110	1.652	1.074	811	661	438
Clay	4,305	2,952	1,165	986	1.071	685
Dade	18,241	8,220	5,653	4,568	3,003	2,134
Duval	47,727	47,067	15,351	13,849	14,917	13,947
Monroe	14,698	4,900	4,624	3,648	1,281	1,333
Orange	10,052	5,345	3,134	2,987	1,639	1,408
Osceola	9,305	1,632	3,124	2,761	577	372
Palm Beach	6,499	3,082	2,212	1,849	1,060]	848
Putnam	8,026	7,836	2,484	2,250	2,698	1,838
St. Johns	8,149	5,283	2,543	2,314	1,808	1,423
St. Lucle	6,331	2,258	2,029	1,455	909	472
Seminole	4,958	4,940	1,602	1,366	1,401	1,127
Votusta	12.950	8,833	4,066	3,741	2.911	2,158

CROP STATISTICS FOR 1913-14, 1915-16 AND 1917-18.

The attention of the reader is invited to the contents of the pages that follow, and the figures that give expression to the details of the rables giving the statistics of the agricultural, fruit and vegetable production, and also of live stock of all kinds.

The figures for the back years are used for the purpose of comparison. These are interesting as an indication of the substantial and wonderful growth of the State in the production of her soil and animal products. True there was a large increase in the acreages planted, and much of this was due to the patriotic spirit manifested by the farmers and others in winning the war for humanity, but this remarkable production was all the more creditable, as well as wonderful, considering the labor conditions and other disadvantages necessary to be overcome.

ACREAGES.

For the period included for 1913-14 the acreage planted to field crops was 1,081,434, an increase over that of 1911-12, of 144,170 acres actually cultivated. The acreage planted to vegetnhles and garden products for the same period was 93,413, or an increase of 30,172 acres in actual cultivation, over that of 1911-12, being over 30%

In 1915-16 the acreage planted to field crops was 1,478,428, showing an increase of 396,994 acres in the area planted to these crops in 1913-14. The acreage planted to vegetable and garden products, however, was only 68,955 or 24,458 acres less than the previous period. An examination of the causes for this discrepancy shows that it is attributed to two causea: first, the scarcity of potash and in many cases the absence of it which disarranged the usual formulas, that growers had been for years accustomed to using; and, second, the extremely high price of

these commercial fertilizers as fixed by the manufacturers. Whether these prices were necessary or warranted is questionable.

In 1917-18 the acreage planted to field crops exceed that planted to the same crops in 1915-16 by 52,910 and also exceeded the acreage planted in vegetable crop 36,690, making a total acreage under cultivation of 1,636,983.

These figures do not of course include the acreage of lands planted to fruit trees. They are listed under a different plan.

Elsewhere is published for the first time tables showing land and farm areas, in addition to acres actually cultivated, read it, it is interesting, it is part of table No. 1. See the footings of tables No. 1 and No. 2 for results in crop values, etc.

VALUE OF FIELD CROPS.

The value of the standard crops for 1913-14 amounted to \$18,861,389, showing an increase of \$2,809,659 in value over 1911-12, and in favor of 1913-14.

The value of these crops for 1915-16 shows a rather remarkable increase, the figures being \$21,613,300 as compared to \$18,861,389, the difference in favor of 1915-16 over that of 1913-14, being \$2,751,911.

The value of field products for 1917-18 indicates clearly what Florida soils can do when put to the test. The results show a remarkable situation in the shape of an increase of practically 50 per cent.

In 1915-16, the value of all field products was \$21,613,300, but in 1917-18, these figures were exceeded by \$9.532,604, or a total of \$31,145,904.

VALUE OF VEGETABLE AND GARDEN PRODUCTS.

The yield in value of these for 1913-14 was \$13,185,904,

showing an increase of \$5,129,219 or more than 60% over 1911-12. The value of these products, however, for 1915-16 are short of the previous period by \$2,461,385. The cause of this reduction is explained in the preceding paragraphs.

In this schedule the increase over 1915-16 is even more marked than in the field products, being \$8,113,630, or practically 75 per cent over and above the value of the

same products in 1915-16.

FRUIT PRODUCTS.

The value of the fruit crops of the State for 1913-14 was \$13,447,435, an increase of \$3,422,272 over that of 1911-12. The value of these products for 1915-16 is \$13,511,950, or an increase of only \$64,515 over 1913-14. The cause for this is that both the output of the crops and the prices obtained for them differed comparatively little in either year period.

In this brauch the same proportionate values hold good. The increase in value of fruit products for 1917-18 over those of 1915-16 is \$2,869,868.

When we take into consideration the effects of the cold snap in February of 1917, we consider the above results remarkably fine.

VALUE OF LIVE STOCK.

In 1913-14 the value of live stock on hand July 1, 1914, was \$29.541,931. In the period of 1915-16, on July 1, 1916, the value of live stock was \$29,869,842, showing an increase in value over 1913-14 of \$327,911. Undoubtedly this increase in value was held down by the decrease in number of live stock, large numbers being shipped out of the State to the West for beef, thereby keeping the supply depleted.

It is on this branch of farm industry that attention has been fixed for the past year or more, and we do

not think there will be much disappointment if figures couvey the truth. In 1915-16 the total value on live stock in the State was placed at \$29,869,842. The figures for 1917-18 show the total value of live stock to have been \$62,573,373. This table is subdivided showing each class of stock and its increase on its own merits. We direct special attention to the details as appear in the table of total values. The figures as to catile and hogs particularly should be convincing as to Florida's ability to grow live stock.

VALUE OF POULTRY AND PRODUCTS.

The value of ponitry and products for 1918-14 was \$4,665,001, and for the period embraced in the year 1915-16 the value is shown as \$4,559,876. Thus there appears a decrease of \$105,125. The only significance to be attached to this occurrence is that the demand has been greater than the snpply, a fact that should induce a greater extension of the industry; it will stand doubling and then fall short 50% of the demand.

In this industry both ontput and values have kept pace with the more pretentious rivals, as it shows an increase of \$1,433,367 for 1917-18 over the census of 1915-16. Certainly a fine showing. Thus even the feathered tribe proves its work in helping to defeat the "Hun."

VALUE OF DAIRY PRODUCTS.

The value of these products for 1913-14 was \$4,130,925, and the value of these same products for the period of 1915-16 is \$3,881,452 thus showing a loss of \$249,473. This apparent falling may be ascribed to the selling off of many of the cows as beef cattle, one of the very important matters in connection with the sale of cattle, that this Department has repeatedly warned live stock growers not

to do. If persisted in, growers cannot and need not ex-

pect to meet the demands.

Apparently the warning above made has had its effect if the wonderful increase in these products may be accepted as evidence; for in the entire history of the State, there has never heen such a demand for dairy products, nor has the supply been so rapidly increased, and yet it falls far short of the demand. It is no exaggeration to say that were the supply twice as great, the demand would not be nearly supplied. There were in the period covered by this report 13,292,040 gallons of milk alone sold to the markets, for \$5,282,355.

The value of dairy products in 1915-16 was \$3,881,452.. and in 1917-18 they were \$6.017,296, showing an increase of \$2,135,844.

VALUE OF MISCELLANEOUS PRODUCTS.

The value of products included in this schedule being made up of numerous odds and ends, so to speak, varies to a considerable extent. This period covered by 1915-16 the aggregate value of these products amount to \$174,225.

There is an increase in these products also caused by the addition of new articles to the census. In this schedule the total shows \$312,933 of preducts, an increase over 1915-16 of \$138,708. The articles making up this list are yet nuclassed.

YEAR 1913-14.

Table No. 8-Total Acreege of Crops.

Field Crops, acres	1,081,434 93,413
Total Acreage in Cultivation	1,174,847

Table No. 9-Total Value of All Farm Products,

Tuble No. 1—Field Crops \$18,861,389 Tuble No. 2—Vegetable and Garden Products 13,185,904 Table No. 3—Fruit Products 13,447,435 Table No. 4—Live Stock on Hand 29,541,931 Table No. 5—Poultry and Products 4,665,001 Table No. 6—Dairy Products 4,130,925 Table No. 7—Apiary Products 104,550
Total
YEAR 1915-16.
. Table No. S-Total Acreages of Crops.
Field Crops, acres
Vegetuble and Garden Products, acres 68,955
Total Acreage in Cultivation 1,547,383
Table No. 9-Total Value of All Farm Products.
Table No. 1—Field Crops\$21,613,300
Table No. 2-Vegetable and Garden Products\$10,724,519
Table No 3—Fruit Products
Table No. 4—Live Stock on Hand
Table No. 5—Poultry and Products 4,559,876
Table No. 6—Dairy Products
Table No. 7—Miscellaueous Products 174,225
Total Values
YEAR 1917-18.
. Table No. 8-Total Acreages of Crops.
Field Crops, Acres 1,531,338 Vegetable and Garden Products 105,645
Total Acreage in Cultivation. 1.636,983

Table No. 9-Total Value of All Farm Products.

Table No. 1—Field Crops
Table No. 2-Vegetables and Gurden Products 18,838,149
Table No. 3—Fruit Products 16,381,818
Table No. 4—Live Stock on Hand July 1, 1918, Viz.:
Horses \$ 5,764,451\
Mules 7,782,483
Milch Cows 2,542,446
* All Other Cattle 23,670,239(
Other Cattle Shipped 2.075,552/\$62,573,373
* Hogs on Hand 8,767,353
14 4=0 mal

*The total number of hogs for the twelve (12) months would have been 2,164,722. if we could have included the 477,590 butcherel and the 591,651 that were shipped out of the counties and the State for market by packers and others. The value of hogs butchered and shipped was for the butchered \$6,069,841, and those shipped \$5,081,61, or a total of \$20,245,355 for hogs alone, including those on hand July 1, 1918.

*There were 85,689 cattle exported from the counties and State by packers and feeders in and out of the State valued at \$2,075,552.

The following is a list of the County Enumerators, and their postoffice addresses, who performed the field work in gathering the Agricultural Horticultural, Live Stock and Industrial Statistics of the several counties. The result of this work is found in the tables that follow:

COUNTY	NAME	POSTOFFICE
1. Alaehua	E. G. Spencer	Alachua, Fla.
2. Baker	J. W. Dowling	Macclenny Fla.
3. Bay	C. C. Mathls	Parama City, Fla.
4. Bradford	R. A. Green	Starke, Fla.
6. Brevard	Chas. H. Nelson, Jr.	Titusville, Fla.
6. Broward	Robert J. Reed	Ft. Lauderdale, Fla.
7. Calbonn	John R. Richards	Blountstown, Fla.
8. Citrus	J. W. Knlght	Inverness, Fla.
9. Clay	J. M. Williams	Green Cove Springs, Fla. Lake City, Fla., R. F. D.
10. Columbia	Donald Tomkins	Lake City, Fla., R. F. D.
11. Dade	M. W. Goode	Lemon Clty, Fla.
	J. Edgar Albritton	
	Chas. R. Thebaut	
14. Escambia	Wm. J. Scott	R. F. D. "A," Atmore, Ala. Bunnell, Fla.
15. Flagier	F. A. Rich	Bunnell, Fla.
16. Franklin		Apalachicola, Fla.
17. Gadsden	D. J. Mears	Hardaway, Fla.
18. Hamilton	L. R. Taylor	Jasper, Fla.
19. Hernando	Leroy McKeown	Brooksville, Fla.
20. Hillsborough .	Ben L. Blackburn	Tampa, Fla.
	D. J. Grice	
	J. M. Blount	
23. Jefferson	W. B. Bishop	Lloyds, Fla.
24. Lafayette	J. P. Abbott	Mayo, Fla.
25. Lake	Walter H. Bell	Tavares, Fia
	John M. Borlng	
27. Leon	W. J. Johnson	Chalres, Fla.
28. Levy	M. D. Graham	Bronson, Fla.
29. Llberty	Wm. A. Deason	Bristol, Fla.
30. Madlson	H. R. Fox	Madlson, Fla.
	W. M. Baxter	
32. Marlon	M. L. Payne	Reddick, Fla.
33. Monroe	Chas. W. Chase	Key West, Fla.
34. Nassau	W. W. Ward	Boulogne, Fla.
	L. E. Davis	
	J. C. Merrill	
	Milton Pledger	
38. Okaloosa	W. W. Hurston	Laurel Hill, Fla.
39. Palm Beach	W. C. C. Branning, Sr.	West Palm Beach, Fla. San Antonio, Fla. Clearwater, Fla.
40. Paśco	J. H. Pike	San Antonio, Fla.
41. Pinellas	A. C. Turner	Clearwater, Fla.
42. Polk	J. E. Bryant	Kathleen, Fla.

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COUNTY ENUMERATORS—(Continued).

COUNTY	NAME	POSTOFFICE
43. Putnam	Jullen de Nazarie	Palatka, Fla.
44. Santa Rosa	. Putnam Jernigan	Milton, Fla.
45. Seminole	. A. R. Chappell	Sanford, Fla.
46. St. Johns	John W. Davis	St. Augustine, Fla.
	. F. Scott Waters	
48. Sumter *	. J. R. Wilkerson	Wlldwood, Fla.
49. Suwannee	H. E. Carter	Live Oak, Fla.
50. Taylor	. W. E. Vann	Shady Grove, Fla.
51. Volusia	Otto R. Klrchoff	DeLeon Springs, Fla.
52. Wakulla	John McKenzie	Sanborn, Fla.
53. Walton	. D. L. Colvin	DeFuniak Springs, Fla.
54. Washington.	. F. M. Russ	Vernon. Fla.

^{*} Did not report-refused.

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FARM LAND AREAS IN FLORIDA BY COUNTIES.

COUNTIES.	Number of Farms,	Average Acresge of Farius.
Alachua	3,314	95.7
Baker	1,075	42,1
Bay	1,853 4,142	2.6 38.47
Brevard	942	75.7
Broward	1.171	16.0
Calhoun	1,365	53.4
Citrus	224	129.9
Clay	525 3,256	138.4 45.0
Dade	4,125	6.7
DeSoto	5,565	30,0
Duval	10.800	9.53
Piscambia	5,837	14.2
Flogter Franklin	225 1,064	69.7 8.3
Franklin Cadsden	1.519	158.3
llamliton	2,250	81.74
Hernando	325	34,45
Hilsborough	13,692	6.7
[lolmes	1,025	55,0
Jackson	5,385	41.3
Jefferson	1,455	59.4
Lake	1,110	53.9
1.ee	1,252	71.6
Leon	3,570	71.54
*Levy	705	77.9
Liberty	3,375	- 25.0
Manatec	1,575	33.9
Marion	4.870	43.64
Monroe	52	137.0
Nassau	433	89.3
Okecchobee	1,401	48.1
Orange	2,306 2,031 2,205	47.
Osceola	2,031	16.
Palm Beach	2,205	47.2
Pasco	2,565	24.53 40.8
Pinelins	5.813	17.58
Putnam	3,720	8.5
Santa Rosa	1,575	43.52
Seminole	993	20.35
St. Johns	2,742	25,35
St. Lucie*Sumter	1,796	60.0
Summer	2,955	54.1
Taylor,	1,415	11.48
Volusla	4,210	12.9
Waknila	780	1 129.0
Wastington	1.745	44.5
Washington	1.004	30.1

^{*}Not reported.

FARM LAND AREAS IN FLORIDA BY COUNTIES. Continued.

	1		1	
	•		ایہا	Aeres In Wood or Timber,
	E .		Acres Unimproved.	- E.
	S, Cr	동	5	~ ž
COUNTIES.	< 5	40	5	res In V
	福夏	89 7	# E	85
	52	Acres Improved.	reference	55
	Total Acres in Fards.	<₽		
Alachua	317,264	175,738	27,891	118,925
Baker	45,277 5,802	26,236	8,500	7,955
Bay	0,802	3,185 62,387	89	1,628
Brevard	159,357 71,468	02,384	17,619 40,734	79,351 21,429
Broward	19.802	16,182	2,817	503
Calhoun	72,850	20,742	2.541	49.567
Citrus	28 889	19.531	9,191 27,305	0,167
Clay	72,714	21,380	27,305	24,029
Columbia	120,400	88,570	39,470	8,340
Dade	29,661	14,348	15,313	
DeSoto	200,059	52,368	100,773	46,969
Duval	102,876	10,650	8,850	83,376
Escambla	82,786	24,245	26,180 5,402	32,301 5,679
Flagler	$\begin{array}{c} 15,704 (\\ 8,512 \end{array}$	4,623 1,762	9.200	3,550
Gadsden	240.502	60,995	81,241	b8.280
Hamilton	183,916	68,701	46,534	08,260 68,381
Hernando	28,489	18.574	0,315	5,800
Hillsborough	91,721	45.071	16,003	29,747
Holmes ,	105,912	44,230	25,055	36,627
Jackson	222,498	143,792	7,238	71,480
Jefferson	165,491	86,401	42,716	86,374
Jefferson Lafayette Lake	86,428	36,785 17,358	4,595	45,048
Lee	55,935 89,596	17,745	17,875 38,977	18,702 32,874
Leon	256,067	106,168	45,867	104 532
Levy	88 0011	22,500	21,250	44,251
Liberty	88,001 54,070	8,330	21,250 23,320	23,320
Madison	83,300	50,400	8,800	15,100
Manatee	53,397	17,593	2,447	33,347
Marion	212,547	107,747	81,173	73,627 1,962
Monroe ,	7,106	1,079	4,006	1,962
Nassau	144,739 97,081	7,184 27,588	106,046 69,499	31,507
Okeechobee	10,503	8,513	5,090	1,900
Okeechobec	108.560	25,007	18,262	60,300
Osceola	32,496	9.159	13,526	9,811
ralm Beach	104,222	26,108	43,909	84,207
l'asco	62,928	25.626	23,249	14,053
Pinellas	34,333 102,246	9,987	13,531	10.815
1'olk	102,246	31,206	17,272	33,768
I'utuam	31,613	20,338	6,333° 28,597	$\frac{4,932}{28,513}$
Seminole	68,586 20,211	11,476 6,334	12 074	20,410
St. Johns	69,4231	16,423	12,974 53,000	990
St. Incle	107,416	15,289	55,799	36,328
Sumier		-51-50		
Suwannee	159,876	106,928	20,417	32,531
Paylor	16,236	8.144	4,568	3,524
Volusia	54,272	25,839 24,599	2,890	25,543
Wakulla	100,699	24,590	38,150	37,841
Whiton	77,360 \$9,308	91,821 37,655	45,549	
Washington		1,886,277	51,653	
Totala				

[&]quot;Not reported. "

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FARM LAND AREAS IN FLORIDA BY COUNTIES.

			-	=	-
	P2 ¥6	2 2	ě l	ž l	Actual Ion
CONTRACTO	Ima te Milles.	¥ 5	28	25	Ne ne
COUNTIES.	里田	E V	그램을 내	343	25
	X 무 원	pproximate rea la Acres	문화관심	교육된 1	4.25
	트립표	<u> </u>	525	initive (915.)	걸모달
	Approximate Area in Square Miles	Approximate Area in Acres	Acres in Actual Cultivation 1913-14.	Acres in Actual Cultivetion 1915-15.	Acres in Activition 1917-18.
Alachua	1,283	807,680	77,644	105,862	123,351
Baker	585	375,680	16,090	16,781	19,790
Bay	692	442,980	2,542 43,880	1.4841	3,900
Bradford	522[344,960	43,880	57,867	59,413
Brevard	1,156[$720[$	460,800	576	698	1,572 13,300
Broward	1,060	762,880	13,775	5,902	31,662
Citrus	6121	396,800	7 926	16,442	8,045
Clay	622	394,680	4.211	4,472	6,875
Columbia	702	506,880	56.249	61,302]	83,960
Dade	2,373 3,755	1,450,720 2,402,560]	13,081 9,778	$\begin{array}{c} 10.288 \\ 12.229 \\ \end{array}$	9,751 34,468
DeSoto	822	503,040	9,046	5.207	6,740
Escambia	668	420.4801	16,143	19.652	20,778
Flagler	484	309,760 346,240			5,513
Franklin	731	346,240	1,200 47,716	633	462
Gadsden	500 508	345,800 337,920	- 37,017	51,001] 61,100]	46,572 63,597
Hermando	475	316,060	3,175	6,924	6.025
illiaborough	1,075	688,000	10,852	17,245	26,617
Holmes	485	293,120	38,466	36,466	59,890
Jackson	963	. 617,600	287,367	234,458 66,249	155,046
Jefferson	593 1,202	374,400 796,160	57,661 23,299	30,147	76,080 58,618
Lafayette	1,128	670,080	12,333	9 3771	6,136
Lee	4,041	2.579.840	1.800	1,140 87,986 22,700 5,849	2,904
Leon	730	457,600	61.173	87,986	2,904 92,653
Levy	1,133 725	731,520	21,294 5,610	22,700	39,881
Liberty	693	526,720 460,160	66,771	71,914	7,052 73,834
Manatee	1.275	855,680	5,575	7,774	11,018
Marlon	1,640	1,054,080	30,897	75,622	92.199
Monroe	1.125 645	704,000	692	7,093	. 185
Nassan Okaloosa	949	403,200 607,360	0,414	34,618	5,980 40,712
Okeechobee	720	460,800			30.085
Orange	955	569,600	3,454	7,207	11.206
Osceola	1,431	915,840	1,684	2.626	2,034 27,213 15,345
Paim Beach	2,688 750	1,720,520 490,660	3,614 6,300	7,587 11,076 2,209	27,213 15 945
Pinellas	234	149,760	747	2.209	1,652
Polk .	1,967	1.220.480	6.678	6,770	14,789
Putnam angeneral	772	481,280 656,640	11,092	10,772	17,008
Santa Rosa	1,026	230,400	33,813 3,096	26,500	22,761 8,255
St. Johns	530	407,040	32,611	2,960 26,556	36,115
St. Lucie	1,024	741,760	1,622	997	4,239
*Sumter ,	ក្នុងខ	373,120	26,039	25.973	
Suwannee	680	442,880		103,210 17,741	88,753
Volume	1,190 1,119	680,960 700,160	10,048 7,619	11 970	19,275
Wakulla	001	385,280	13,065	11,370 14,833	15,275 12,301 16,235
Walton	1,058	385,280 677,120	31,448	33,548:	30,562
Washington:	652	1 409,320	28,626	31,874	80,769
Totals	54,240	35,111,040	1,174,847	1,547,383	1,636,983

^{*}Not reported.

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TABLE No. 1—FIELD CROPS, 1917-18.

COUNTIES	COTTON, UPLAND			
	Acres	Bales	Value	
Alachus	749	237 8	25,490	
Baker	48	19	2.350	
Bay			2,400	
Brevard				
Broward	357	781	5,775	
Citrus				
Clay	93 1,941	42 515	$\frac{4.520}{68.011}$	
Dade	1,041		05,011	
DeSoto		15	- · · · · · · · · · · · · · · · · · · ·	
Duyal	2.258	108	1,890 83,520	
Flagler	3	2	230	
Franklin	202	. 57	6.046	
Hamilton	20	6	. 800	
Hernando	726	230	24,850	
Holmes	3,959	1.327	277.772 182,603	
Jackson	7,100 11,717	1,575	182,603	
Jefferson	11,717.	1,833	255,591 1,565	
Lake				
Lee	16,526	3,847	422,510	
Levy	3071	117	3,855	
Liberty	211 893	134	815 14,200	
Madison		101		
Marlon	129	60	60,180	
Monroe	170	54	7,919	
Okaloosa	1,562	526	65,134	
Okeechobee	45	32	3,590	
Osceola				
Palm Beach	33	19	400 3,740	
Pasco	5		260	
Polk	10	2	520	
Putnam	1,745	615	73,760	
Seminole	00	72	12,050	
St. Johna				
Sumter				
Sowannee	173	37	6,294	
Caylor	264	52	750 6,035	
Wakuila				
Walton	998) 390	341 126	30,644 15,655	
Totala	52,721	12,707	1,675,265	

^{*}Not reported.

TABLE No. 1-FIELD CHOPS, 1917-18, Confidence.

	COTTO	N, SEA ISLA	ND
COUNTIES	Acres	Bales	Value
Aluchua	5,629	5,883 2,558	1,558,791 403,56
Bay	18,061	4,698	141,08
Broward Cathonn Citra Clay Clay Columble		9 630 . 123 5,140	2,500 183,740 81,124 459,50
Duvai Seeambla Fingler Franklin	160 12 4 39	60 1 2 15	14,09: 250 30: 3,12
Gadsden Ilamilton Ilernando Hillsborough Ilolmes	20,788 806	3,292 213	715.256 77,150
Jackson Jefferson Lafnyette Lake Lee Leeo	10 86 17,704 222 4 18	3 15 780 52 2 2 4	400 43,000 181,630 18,500 500 500 221,740
i.lbérty Madison Manatee Marion	6,293 118 13,505	802 2,917	141.10 80 722,80
Monroe Nassau Okalooaa Okeeebobee	265 14	186	11.79 1.10
Orange	40	10	95
l'asco Pluellas Polk	3,247	1.287	270,41
l'utnam Santa Rosa Seminole	1 782	102	12,61 41,06
St. Johns	1		
Sinwannee Faylor Voluala Wakulla Walton Walton	[228] D	4.214 19 1	085,24 5.40 8
Totals	179,113	:13,670	7,686,10

^{*}Not reported.

TABLE No. 1-FIELD CROPS, 1917-18., Continued.

į.	CORN		
COUNTIES [-			
	Acres	Dushela	Value
Alachua	53,522	617.296 3	721,40
Baker	8,739	118,614	247,12
Bay	1,934	18,783	28 17
Bradford	24,001	271,330	398,71
Brevard	213	983	1.74 44,94
Broward	1,412	25.052	44,94
alhoun	15,829	164,892	2 329,78
Itrus	2,758	35,090	70.01
Clay	4,598	52,316 335,261	92,17 405,53
columbia	32,966	333,201	400,00
Onde	12,815	1,205 209,163	2,04 274,08
Ouval /	3,047	73.510	145,88
Seembla	11 614	145,113	268.72
lagler	11,614	31.064	50.00
rankiln	149	5,980	11,96
adsden	28,337	875,858	475.85
Iamilton	30,564	281 083	381.08
Iernando	4,294	281.083 77.780	108.33
Hillsborough	13,172	272,474	549.56
Iolmes	28,916	285,087	498,81
ackson	78,540	958,188	1,802,59
efferson	53,427	450,543	450.54
afayette	18,243	168,203	140.48
ake	1.911	22,503	44.53
.ee	762	9,261	18.33
eon	54,818	524,458	781.60
CTT	13,900	186,703	172,67
Aberty	4,864	57.804	86,54
fadlson	56,748	554,478	554,47
innatee	3,847	70,121	107.78
farion	42,690	605,840	907,20
ionroe			
assau	3,351 18,209	53,702	77.26
kaloosa	18,209	172,685	286.78
keechobee	1.123	15,031	30,03
range	6.075	88,946	176,19
nceola	2.581 10.688	50,530	95,88
alm Beach	6.585	70,925	135.81
Pasco	377	90,417	146,20 10,18
olk	8.961	108 585	170.08
ntnam	8,326	106.585 194,290	273,44
anta Rosa	11.804	125.865	249.08
ominale	1.629	49,111	104.7
t. Johns	13,823	345,790	691.58
t Inele	319	3,761	9,00
Sumter			
nwannes	42,615	436,861	450,65
Taylor	9,665	69,691	84.77
olusia	6,026 12,818	67,405	134,61
Vakulla	12,818	101,142	150,02
Waiton	18,182	184,374	218.62
Vashington	20,348	241,095	241,68
	014 045	0.404.884	0.000
Totals	814,217]	9,464,731)	3.390,49

^{*}Not reported.

¹⁵⁻Com.Agr.

TABLE No. 1—FIELD CROPS, 1917-18.

	OATS		
COUNTIES (Acres	Bushels	Value
Machua	2,7041	45.875	48.21
aker	250	3,912	5.84
daker	. 56	915	91
Bradford	677	6,160	12,32
Brevard	***************************************	60	15
aiboun	419	6.018	6.01
itras	74	1,165	74
lay	54	965	2,02
Columbia	2,021	. 26,563	26,56
Onde	89	1,848	4.03
ratul	51	1.145	2,28
(scamble	371	5,489	5,48
Magler	8	200	25
÷adaden	1,074	18,276	18,27
Hamilton	12	350 110	83 22
Illisborough	85	1.408	3.82
folmes	584	3,897 13,515	3,98
ackson	1,267	13,515	9,99
efferson	1,672	24,781	24,78
afayette	121	-1,210 460	2,22
ake	10	2101	82
eon	1,357	18.130	18.13
OWW	1.480	27,093	27,62 1,23
iberty	113	1,380 14,939	1,23
dadisou	1,504	14,030	19.76 19.76
danatee	25	230	38
Murion	1,448	20,456	29,08
Monroe	[
Naasau	108	2,676	3.05
Okaloosa	437	5,271	4,18 13
Orange		80	13
Onceola	1		
Palmer]		
Pasco	59	497	1,34
"Inellas	iŝ	998	38
Polk	54	566	61
	475	5,554	6.37
Reminale			
St. Johns	7 9	275	55
St. LucieJ	9	135	89
Sumannee	336	2,095	5.10
Caylor	120	1.005	1.05
Voluala	242	2,109	4,20
Wakulla	23	· 515	44
Walton	. 301	2,633 6,925	2.78
Washington	010	0,520	6,92
Totals	20,378	276,383	312,83

^{*}Not reported.

TABLE No. 1—FIELD CROPS, 1917-18.

Continued.

COUNTIES Jachua aker ay radford revard roward alboun fitrus lay olumbia lade eeSoto noval scombia lagler ranklin iadsden lemando lillisborough lolmea ackson efferson asfayette ake ee ee een eevy Aberty fadison fanatee larton	Acres	Bushels	Value
aker iny iradford ireard ila			
iny iradford irevard irevard irevard istoun iltrus ilay ilay ilay ilay ilay ilay ilay ilay	1	400	
readford rrevard roward siaboun lerus ley ley ley lesoto noval scambla legler ranklin sidsden lemiton leruando lillisborough lolmea sckson efferson safsyette sake ee deon levy liberty fadison fanatee larton	i	470	67
revard roward ritoun litrus lesconto lorval scombla lisgler ranklin radsden lemilton lernando lillsborough lolmea ackson eefierson afsyette ake leeon leevy litrus			
alboun			
Itrus	5		
lay olumbin lade leSoto nuval lescembla lagler ranklin ladeden lamilton lernando lillaborough lolmea lackson efferson lafayette lake lee lee leo levy ladeden littantee latton	i o	110	33
olimbin lade lesoto lonval lesoto lister lister ladden lemilton lernando lillsborough lolmea lerkon leferson le	. 7	100	13
leSoto Inval Isgler Isg	15	150	80
Orval scombla			
scombla ls gier ranklin iadsden lamilton lernando illisborough lolmea ackson efferson asfayette ake ee .eeo .evy .hberty fadison lation	2	36	•
lagler ranklin adsden Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Hamilton Holmea Hakson Hamilton Hamilton Holmea Hakson Hamilton		1	
adsden familion fernando fillsborough folmea ackson efferson asfayette ake ee deon dey folmea foldsborough ackson efferson affayette foldsborough ackson foldsborough			
Iamilton Iernaudo Illilaboronigh Iolmea ackson efferson .afayette .ake .ee .eon .evy .iberty fadison fanatee Iarton			
lernando IIIIsborough Iolmea ackson efferson asfayette ake ee deon devy Aberty fadison fanatee	4	90	18
Illsborough Iolmea ackson efferson asfayette ake ee deon deon deyy John John John John John John John John	1	20	(
ackson efferson affayette ake ee eo con covy findison fanatee larton	7	250	7
efferson .sfayette .ske .ee .eo .eo .eo .don .dots .fafason .fanatee .fanatee		*********	
afayette ake e e e e on cevy diberty fadison fanatee larton	51	285	
ake	31	200	5
eon .evy .Merty .fadison .fanatee .larton			
evy . Aberty . Iadison . Ianatee . Iation .			
Iberty Indison Itaniae Itaniae Itaniae	12	240 69	· 45
Andisón	1		
darton			
formers	_ 2	35	il '
Ionroe	18	230	4
Okaloosa			
keechobec			
Orsuge			
Palm Beach			
Pasco			
Amellas		*******	
olk			
anta Rosa	14	287	4
seminole			
St. Lucie			*********
St. Lucie		1	
nwannee			
Caylor	11	790	7
Volusia		**********	*******
Wakulla		**********	
			l .
Totala	164	3,132	4,70

^{*}Not reported.

TABLE No. 1-FIELD CROPS, 1917-18.
Continued.

	SWE	ET POTATOES	3
COUNTIES [-	Acres	Bushels	Value
Jachua	1,516	201,109)	201,10
aker	433	37,431	52,40
lay	234	17,027	17.02
radford	1,455	101,407	79,54
brevard	85 108	1,205 4,429	1,82 12,98 44,20
alhonn	550	44,207	44.20
444118	94	9,968	9,06
lay	648	49,948	62,85
olumble	679	81,838 10,970	81,83
ARGS	$\frac{127}{2.320}$	10,970] 282,029	36,06 406,77
DeSoto	1,178	165,904	330.76
Scambla	844	40.298	82.91
lagier	247	22,415	62,91 27,18
rankilu	100	20,000	40,00
adaden	1,116	88,424	88,42
Inmiliton	1,005	55,972	53,58
fernando	220 962	15,538 107,035	21,23 214,07
loimes	608	34,936	34,93
ackson	2,299	211,230	162.96
efferson	1,636	211,230 147,568	147.56
afayette	416	41,844	41.8
ake	- 108	4,817	6.30
æe	247	24,050	47.7
eon	2,2611 1,0661	203,160	190,28 201,76
Aberty	226	201,871 22,360	20.86
Indison	1.305	143.090	. 143.08
Innetee	93	12,666	17.09
darlon	2,385	200,930	200.50
Ionroe	- 50	320	15
Vassau	554	76,096	80.7
Okaloona	635	56,105	44,07
keechobee	145 364	11,589	20,69 48,78
Orange 1	113	26,217 6,665	10.10
alm Beach	393	36,332	62,00
Pasco	450	34,976	67.1
Pinellas	63	3,383	7.1
olk	715	48,462	56,2,
Putnam .	613	88,611	125,91
Santa Ross	122	84,6651 0,887	66,98 14,43
St. Johns	731	123,888	145.6
St. Lucle	200	5,496	145,64 7,65
Sumter			
nwannee	671	31,386	61,4
Paylor	1,831	17,338	17.74
Voluela	1911	71,205 12,730	$\begin{array}{c} 142.41 \\ 19.73 \end{array}$
Walton	728	46,492	46.49
Washington	774	45,594	45,5
	-[
. Totalsl	38,353	3,423,544	4,150,7

[&]quot;Sol reported.

TABLE No. 1—FIELD CROPS, 1917-18.

Continued.				
1 - 1	RICE			
COUNTIES	Acres	Bushels	Value	
Alachua Baker Bay Bradford Bradford Bradford	10 6 68 54	100 227 1,951 1,590	100 67: 3,78: 3,180	
Broward Calhoun Citrus Clay Columbia	. 115 1 10 14	2,186 5 395 413	4,37; 10 84 1,06;	
Dade DeSoto Daysl Escamble Plagler Pauklin	1,001 19 68 45	35,200 789 1,367 525	132,09 2,92 2,63 1,14	
Gadsden Iamiltou Hernando Hillsborough Holmes Iackson	12 26 86 875 201	193 1,192 1,230 8,103 4,165	1,26 3,15 23,91 4,16	
efferson Lafsyette Lake Lee Leon Levy Liberty	42 43 4 32 14 14 18	449 400 43 1,536 298 298 428	1,30 81 11 2,99 59 71	
Madison Manate Marion Monroe Sassan Naloosa Neechobee	726 100 2 31 38 6	9,902 2,507 40 930 1,274 120 206	19.80 4.64 9 5.22 2.30 26	
Psceols Psim Beach Pakeo Pinellas Polk Purusm Santa Rosa Seminole St. Johns : St. Lucie	45 74 74 74 71 1	1,197 1,563 1,090 365 2,113 40 375 547	20 4,05 4,95 3,32 66 3,31 12 97	
Sumter uwannee faylor foliusla Valten Valten Vashington	2 17 18 8 8 66 324	310 357 310 35 1.073 6,986	18 84 43 7 1.07 6,98	
Totals	3,941	91,895	252,93	

^{*}Not reported.

TABLE No. 1-FIELD CROPS, 1917-18.
Continued.

	-	SU	GARCAN	E	
COUNTIES	 †-	Syrup.		Suga	ır.
	Acres	Bárcels	Value		Value
			1		
lachua	539 208	3.662 1.830	132,470 62,745	220	2
ar	120	289	8,670		
radford	548	3,879	96,975		
revard	5	2	5		
alboun	367	3.286	65,600		
frum.	107	548	15.312	100	
itrus	107	548	15,312		11
olumbia		1,878 101	.55,761 5001	2,290	
eSoto	1,183	5,281	870,246		4
nval	291	1,350	41,455		
scambla	182	787 76	23,328 3,655		
rank)1a	49	792	23 780	1	
adsden	999	9.784	208,055		
(amilton	276 185	1,957 850	57,215		
lernsndo Hlsborough Iolmes	838	5.621	163.712		
olmes	375	1.110	55,500		
ackson	2,413 327	21,988	247,832		
efferson	328	1,891 334	41.190		
ake	26	581	3,250		
ee	103	623	19,746		
eon	589	3,006 2,280	86 889		
iberty	113	1.004	21,430		
iberty	414	2,616	65 595		• • • •
isnatee	208 653	819 3,561	27,830 105,881	, 100	
Tontoe			100,001		
ADDER	1 1201	1,021	30,407		
kaloosa	192	976 406	29,142		
range	24	68	2.173		
sceola		91	9,650		
alm Beach	556	1,823 2,426	54,066		
asco	273	2,426	11 154		
olk	508	2.156	74,747		
utnam		781	38,530		
anta Rosa	276	926 12	31,846		
emicole	118	378	9,260	12,250	1.23
t. Lucie	T4(215	6,795		
Sumter	3051	1.559	34 705		
'aylor		619	13,655		
olusia	165	888	35,430		
Vakulla		985 1.322	31,655		
Varblington		2.013	36,680		
Totals	16.318	101 000	2.681.664	15.810	1.46

Not reported.

TABLE No. 1-FIELD CROPS, 1917-18.
Continued.

	FIELD PEAS			
COUNTIES	- Acres	Bushels	Value	
Inchus	100	836	43.22	
aker	75	6721	3.85	
ay	89	1,302	2.60	
radford	428	4,054	12.16	
revard	81	190]	-51 22	
reward	107	350) 740!		
itrus		942	2.19 2.73	
lay		2,832	8.1	
olumbia		6,543	19,43	
ade		100	30	
eSoto	2,201	23.876	55,3	
uyal		7,356 1,007	20.6 2.7	
scambia ranklin		762	2.0	
adsden	1 44	3771	1.0	
lamilton		10,397	10,8	
ernando	44	390	1,1 114,0	
lllsborough	2,681	37,612	114.00	
olmes	302 527	1,822 5,449	8.8 9.0	
efferson	80	750	1,9	
nfayette		3,5241	7.2	
ake	.) 11	200	3	
ee ,	327	1,007	8,7	
eon		8,210	9,5° 24,7°	
evy		12,526		
lberty	75	672	1,9	
anatee		622	2.0	
larion		12,523	24,5	
Ionroe	1 5	9		
ลธรลบ	119	1,175	3.2	
kaloosa	319	6,279	8,8 1.0	
keechobee	500	4.675	11.0	
aceola		35	22,0	
alm Beach	30	845	2.5	
asco	804	7,135	10.3	
inellas	7	80	1	
olk	762	2.711	5,0 33,3	
ntnam		11,035 2,467	5,3	
eminote		127	3,3	
t. Johns	33	2,235	4,4	
t. Johns t. Lucie	164	147	1.0	
Sumter				
nwantee		179 634	2,3	
aylor		3,735	14.7	
Vakulla		1,225	2.4	
Valton	87	462	SI	
ashington	490	3,544	4,23	
Totals	18.241	193,046	470,6	

[&]quot;Not reported.

	SOY BEANS				
COUNTIES	Acres	Bushels	Value		
Machua	,				
Buker			**********		
Say			********		
Brevard		.,.,			
roward	22	865	1,91		
Calhoun	3.	20	70		
Atrus			57		
Clay a grand and a service of	2	29 30			
Columbia ,	12	20	6(
Dade	6	75	163		
Duval	4	150	450		
Escambla	16	200	800		
lagler					
Franklin			*******		
Gadsden					
Hernando					
Hillsborough	21	577	1,72		
Holmes	. 2	10	2		
Jackson					
Jefferson			4 4 + 1 > 4 + 1 >		
Lnfayette					
Lee	1	50	100		
Leon					
Levy					
liberty	, 9	25	7:		
Madison					
Manatee	3 214	29 2,166	170		
Marion	214	2,100	6,53		
Nassau					
Okaloosa					
Okeeechobee	,,,,,,,,,,,,,				
Orange	***********		00 50		
Palm Beach	169	8,905 644	26,56 1,32		
Pasco	70.0	011	1,02		
Polk	1	11	G		
Putnam					
Santa Rosa	6	42	9		
Seminole		200	1		
St. Johns	25	300	60 25		
Sumter	20	30	\- 		
Suwannee					
Taylor					
Yolusia	114	728	2,91		
Wakulla			**********		
Walton	7	35	9		
Washington					

^{*}Not reported.

TABLE No. 1—FIELD CROPS, 1917-18.

COUNTIES	FIE	LD PEA HAY	
	Acres	Toas	Value
lachua	1,012	1,718	31,43
aker	121	131	3,80
AV	. 16	15	46
radford	144	137	3,42
revard			
roward	5	20	35
alhoun	150	127)	3,30
Itrus	18	17	33
lay	269	344	9,60
olumbia	1,160]	401	12.02
ade	50	100	60
DeSioto	421	704	10.98
oval	916	962	12.56
scambla	176	127	2,74 2,91
lagler	150	164	
rankiin	32 722	63 807	1.90
adaden			22,01
lamilton	208	228	5,94
[ernando	218 360	195	4,88
llisborough		684 37!	21,62
loimes	37 433	251	73 3,73
acknon	444	2391	6.93
efferton	35	54	1,64
afayette	112	45	81
ake		1231	
	2,370	2.026	1,27 58,10
evy	71	82	1,72
evyiberty	80	55	1.35
Indison	902	515	12,76
Ignatee	43	24	46
farlon	1,305	872	19.72
Ionroe	2,000	V12	10,12
assau	158	196	3,95
Raloosa	23	18	37
keechobee	25	221	51
range	244	264	9.24
sceola	551	72	1.80
aim Beach	9	74	50
EBCO	395)	524	8.68
Pasco	11	25	51
olk	346	335	9,02
atnam	110	286	6,02
anta Rosa	269	200]	4,91
emlaole	77	97	2,13
t. Johns	158	166	3,32
t. Lucle	. 11	141	30
Sumter			
uwnnnee	330	231	6,29
aylor	13	37	174
otusia	746	605	18,15
Yakulla	991	169	3,11
Valton	94	S6]	1,74
Vashington	. 18	_ 11	23

[&]quot;Not reported.

TABLE No. 1-FIELD CROPS, 1917-18. Continued.

	HAY, NATIVE GRASSES		
COUNTIES (Acres	Tons	Value
lachna	4,741	4,640	96,02
aker	- 66	163	3,80
ay	1.319	107	8,03 19,48
revard	36	24	46
roward	150	427	7.01
alhonn	940 201	518 182	11,00 3,50
lay	298	205	E E 7
olumbia	200	2221	5,74
ade	155	.190 .	2,40
eSoto	2,002 366	1,955	53,18
scambia	1.398	568	5,22 17,60
11	14 PR PE	198	3,90
rankiln			
adsden	418)	448	7.7€
orne ndo	1721	114	3,81
Illsborough	1,449	1,380	55,04
Altr os	1.0391	738	14.76
ackson	3,173 400	2.132	22,06 2,67
afayette			2,0.
ake	829	452	8,12
ee)	102	193]	4,24 8,09
eon	606 1.051	8961 1996	8,09 24,43
thorty	80	501	1.18
ndison			
onatce	372	397	7,2
onroe	2,830	2,268	43,73
2554h	166	293	5,13
kaloosa	1,161	716	14.31
keechobee	36	51	50.31
range		1,793 1,112	30,19
alm Beach	797	755	28.2
asco	161	165	28.2 3.2
incilas	801 915	8†1 964	17.4 27,7
utnam		2,069	57.8
anta Rosa	185	209	3.0
emizole	1,933	. 1,121	21.50 137.8
t. Johns	8,619 200	6,938 1871	137,8° 4.7°
Sumter		1011	3,14
dwannee			
aylor	4	6	11
olusin Vakulla		617	16,49 50
Calton	512	398]	
ashington	• 700	624	11,25
	48,920		

^{*}Not reported.

•	NATAL GRASS HAY		
COUNTIES	 		
	Acres	Tons	Value
Alachua			
Baker			
Bay			
Bradford	3		
Brevard	26	41	826
Calhoun	16	77	160
Citrus	16)	32	755
Clay ,	29	28	660
Columbia	55	12	250
Dade	78	2j 69	1,685
DeSoto	18	69	1,080
Escambia	7	7	160
Flagler			
Frankilo			
Gadsden	28	27	970
Hamilton	489		
Hernando	489	114 325	4,867 12,995
Hillsborough	8	323	80
Jackson			
Jewermon			
Lafayette			
Lake	1,075	635	13,615
Lee :	40 225	190	1,200 2,810
Leon	225	190	2,810
Levy			
Madison			
Manatee	3	20	413
Marion		355	7,150
Monroe	[i	<u></u> ļ.	140
Nassau] 11	7	140
Okatoosa		.1	
Orange	3	7	200
Osceola	15	15	450
Palm Beach			
Pasco	90	86 11	2,020
Pineilas	331	261	283 5,710
Putnam	11	22	670
Santa Rosa	13	14	280
Seminole		19	525
St. Johns			**********
St. Lucie	22	13	251
Sumter			
Suwannee			
Volusia	102	73	2,190
Wakulla			
Walton	ļ.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,] -	
Washington			
Totals	3.481	2,487.	60,849
IU1815	0,701	4,701.	17(*10) 12

[&]quot;Not reported.

TABLE No. 1-FIELD CROPS, 1917-18, -Continued.

	1	KAFFIR COR	RN	
COUNTIES	Acres	Tons	Value	
Alaehua				
Baker				
Bay				
Bradford				
Broward	9	30	500	
Calhoup	• 4	10		
Citrus	i	ែ ទ		
Clay				
Columbia				
Dade				
DeSoto				
Escambia	1	1	90.	
Flagler		i		
Franklin				
Gadsden		[
Hamilton				
Hernando				
Hillsborough	11	11	320	
Holmes ,	1	2	40	
Jewerson				
Lafavette				
Lake		1		
Lee	8	8	170	
Jeon				
Levy				
Liberty				
Manatee	18	16	110	
Marion	15		100	
Monroe		[
Nassan				
Okaioosa				
Okeechobee	1 10		180	
Orange	10	- 23	960	
Palm Meach	1	9	60	
Pasco	i	i . ī	i	
Pinelias		1		
Polk				
Putnam				
Santa Rosa				
Seminole				
St. Lucie	5	8	151	
*Sumter		1	101	
Suwannee				
Taylor	[· - · · · · · · · · · ·			
Volusia	1	1	30	
Wakulia				
Walton	1		1 40	
HEEDINGCOR	1	1	40	
Totals	19	343	- 3,506	
****************	,	/ 230		

[&]quot;Not reported.

TABLE No. 1—FIELD CROPS, 1917-18. Continued.

Alachua Baker Bay Bradford Brevard 1 2 40 500 10,000		RHODES GRASS HAY		
Paker	COUNTIES	Acres	Топв	Yalae
Bay Brufford Brevard 1				
Braidford 1				
Broward 12 30 500	Bradford			*********
Calbonn Citrus Clay Columbia Dade 310 Dade 310 Desoro 3 3 3 60 Duval Escambla Flagler Frankin Gadsden Hamilton Herhando Hillsborough Jackson Jefferson Lafayette Lake Lee 2 4 80 Leon 2 6 80 Levy Liberty Madison Manatee Marion Manatee Marion Okaloosa Okechôhee Grange Occeola Palm Beach Pasco Pinellas Polk Putnam Santa Rosa Seminole St. Johns St. Lncle 2 2 2 8 845 Sumater Su		1	2	40
Citrus Columbia Dade		12	30	300
Columbia				
Dade				
DeSoto 3 3 60 Duvel Escambla Flagler Franklin Gadsden Hamilton Herhando Hillsborough Jackson Jackson Jackson Jackson Jackson Jackson Jackson Jackson Jackson Lake Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee Lee		310	1.000	10,000
Escambla Flagler 1			3	
Finagler				
Frankiin Gadsdery Hamilton Herbando Herbando Herbando Jackson Jefferson Lafayelte Lake Lee Leon 2 6 60 Levy Liberty Madison Manatee Nassan Okaloosa Okecchohee Grange Osceola Palm Beach Pasco Pinellas Polk Puntant Santa Rosa Seminole St. Johns St. Lacle Suwantee Suwantee Taylor Volusia Wakulla Wakulla Walton Washington Washington Value		1	0	50
Hamilton Herbando Herbando Herbando Herbando Herbando Hillsborough 3 3 3 90 Jackson Jefferson Lafayette Lake 2 4 80 Eec 2 6 60 Eecy Elberty Madison Manatee Marion 2 2 2 50 Monroe Nassan Okaloosa Okeechohee Erange Osceola Palm Bench Pasco Pinellas Polk Putnam Santa Rosa Seminole 5 9 266 St. Johns St. Lucle 21 28 845 Seminole Summer Suwannee 30 35 816 Santa Rosa Seminole St. Johns St. Lucle 21 28 845 Santa Rosa Seminole Summer Suwannee 30 35 816 Santa Rosa Santa Rosa Seminole Santa Rosa Seminole Santa Rosa	Franklin			
Hernando Jackson Jefferson Lafayelte Lake Lee Lee Leon Levy Liberty Madison Manatee Marion Okaloosa Okechônee Grange Osceola Palm Bench Pasco Pinellas Polk Putnam Santa Rosa Seminole St. Johns St. Lncle Sumanee Taylor Volusia Wakuila Walton Washington Washington Santa Rosa St. Waskuila Walton Washington Washington				
Hillsborough 3 3 90 Jackson Jefferson Lafayelte Lake Lee 2 4 80 Leon 2 6 60 Leon 2 6 60 Levy Liberty Madison Manatee Marion 2 2 2 50 Monroe Nassau Okaloosa Okeechohee Orange Oseeola Planellas Polk Patron Santa Rosa Seminole 5 0 266 St. Johns St. Lncle 21 28 845 Taylor Vojusia 16 16 486 Wakulla Walton Washington 1 225				
Jefferson Lafayette Lake Lake Lee 2 4 80 Lee 2 6 80 Levy Liberty Madison Manatee 2 2 50 Monroe Nassan Okaloosa Okeechohee Orange Orange Orange Orange Orange Orange Orange Orange Orange Orange Orange Orange Oseeola Palm Beach Palm Beach Palm Beach Polk Putnam Santa Rosa Seminolé 5 D 260 St. Johns 21 28 843 Sumter Suwannee 30 35 816 Taylor Volusia 16 16 486 Wakuila Walton Waahington Waahington		3	3	90
Lafayette 2 4 80 Lee 2 6 60 Levy 2 6 60 Levy 4 80 60 Marion 2 2 50 Monroe 50 20 20 Nassau 6 80 80 Okaloosa 60 80 80 Okaloosa 60 80 80 Okaloosa 60 80 80 Okaloosa 80 80 80 Okaloosa 80 80 80 Okaloosa 80 80 80 Palm Beach 80 80 80 Polk 80 80 80 Putalias 80 80 80 Polk 80 80 80 80 St. Johns 80 80 80 80 St. Johns 80 80 80 80 St. Johns 80 80 80 80		(
Lake 2				
Lee				
Levy Liberty Madison Manatee Marion Manatee Manate M	Lee	2	4	
Liberty Madison Manatee Marion 2 2 50 Manatee Marion 2 2 50 Monroe Monroe Monroe Monroe Monroe Monsoan Okaloosa Okeechohee Grange Geechohee Grange Gee		2	6	60
Madison 2 2 50 Manatee 2 50 Monroe 0 0 0 Nassau 0 0 0 0 Okaloosa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
Marton 2 2 50 Monroe Nassau Okaloosa Okeechobee Orange Oceola Palm Beach Pasco Pinellas Polk Putnam Santa Rosa Seminole 5 0 St. Johns 21 28 845 *Sumter 30 35 816 Taylor Yolusia 16 16 486 Wakulla Walton Waahington 20 25	Madison			
Monroe Nassan Okaloosa Ok				.50
Nassan Okaloosa Okechohee Grange Osceola Palm Beach Pasco Pinellas Polk Putnam Santa Rosa Seminole St. Johns St. Lucle Sumanee Taylor Volusia Wakulla Walton Waahington			[<i> </i>	
Okeechohee Orange Oscoola Palm Bench Pasco Pinellas Polk Putnam Santa Rosa Seminolé St. Johns St. Lucle Summer Suwannee Taylor Volusia Walton Washington	Nassan			
Grange G				
Oscola Palm Beach Palm Beach Pasco Pinellas Polk Putnam Santa Rosa Seminole 5 9 266 St. Johns St. Lucle 21 28 843 *Sumter 30 35 816 Taylor Volusia 16 16 486 Wakulla Walton Washington				
Pasco Plaellas Polk Putnam Santa Rosa Seminole 5 0 256 St. Johns St. Lncle 21 28 845 *Sumier 30 35 816 Taylor Volusia 16 16 486 Wakuila Walton Washington	Osceola			
Pinelins Polk Putnam Santa Rosa Seminolé 5 D 260 St. Johns St. Lucie 21 28 845 St. Lucie 21 28 845 St. Lucie 30 35 810 St. Lucie 30 35 35 35 35	a talled and the second second			
Polk Putnam Santa Rosa Seminole	Pinellas			
Santa Rosa Seminole Seminol	Polk , ,			
Seminole				
St. Johns	The state of the s	5	D	260
*Sumter	St. Johns			
Summee 30 35 816 Taylor Volusia 16 16 486 Wakulla Walton Washington Wa			28	840
Volusia 16 16 480 Wakuila Walton Washington	Suwannee	30	35	810
Wakulla Walton Washington	Taylor			
Walton Washington			16	450
	Walton			
Totals 393 1.125 12.87	Washington			
Totals		ł		1
	Totals	393	1,125	12,875

[&]quot;Not reported.

			PARA GRASS HAY					
· COUNTIES		(—	[—————————————————————————————————————				-[
•		- 1	Acres		Ton	i .	Va.	lue
lachua							\$	
aker .								
ау								
radford		حباريت		ليبي		****		
revard				1000		400		4,00
roward				50	*	106		1,50
albonn Itrus				····î		****		
lay						1		1
oiumbia								
ade .				119		998	*****	1,98
esoto :				110	,	-00		1,00
uval .	**************							
scambla			3					
lagler .				á		3	,	- 1
ranklin								
a deden								
amilton								
ernando								
Illisboro	ugh							
(o) mea								
ackson								
efferson								
afayetto				- B)		51		1:
ake								
				11		20		40
				' 1		1		
evy		• • • • • •			******	****		4 *
berty .		[******			
fadison fanatee					******			
farion .				20		40		
Conroe .				20		70		•
assen .								
kaloosa								
keechob								
range .								
sceola								
alm Be	ach			51)	151		3.0
asco .								
'inellaa								
olk .								
utnam								
anta R	08%	•••• ••						
eminole	18							
t. John				83		33	*****	
t. Lucie Sumter						90	-	Ð.
nwanne.							******	
Rylor .				1144				
olusia								
Vakulia		, , , , , , , ,						
Valton .								
Vashing	ton							
		_						

^{*}Not reported.

TABLE NO. 1—FIELD CROPS, 1917-18.

Continued.

	SORGHUM					
COUNTIES	\\-					
	Acres	Tona	Value			
lachua	12	22	22			
aker		22				
AT	8	10	27			
radford	18	40 73	1,00			
revard	, 32	73	1,47.			
roward	40	90	1,64			
alboun	8	33	71			
itrus	21	44) 26	89 2.88			
lay	6	123	. 2,80			
ade	15	258	71			
esoto	49	88	2.61			
eral	51	15	15			
acambla		36	19			
lagler	: 1	51	10			
ranklin		f				
daden	20	30	- 58			
lamilton						
(ernando		271	. 33			
Illeborough	45	88	3,45			
[olmes	32	32	65			
ackson						
efferaon			**********			
afayette	[29]	291	2,68			
ake	36	7	12			
ee	238	198	3,83			
eou	. 230	665	6.81			
eyy) 4	5	17 10			
Indison			10			
Innates	33	48	91			
larion		911	9,81			
lonroe						
ROSOU	41	9	18			
kaloosa						
keehobee	1	6	12			
range] . 26]	165	2,87			
sceola						
alm Beach	46	155	8,97			
8500	44	46	88			
inellas			• • • • • • • • • • • • • • • • • •			
olk	13	67	1,26			
utnam	41	160	1,74			
anta Ross	72	100	1,17			
t, Johna	iii i		14			
t. Lucie	90	293	4.05			
Snmter			7,00			
uwannee	[
aylor] 4]-	8	20			
olusia] 2]	3	7.			
akulla		1				
alton						
Tashington	:. 31	44	F 76			
Totals	1,3231	3,704	63,239			
# 101 MAR	Louis	" 0'10#	03,23			

^{*}Not reported.

TABLE NO. 1—FIELD CROPS, 1917-18. Continued.

COUNTIES Alachua Saker Say Sradford Frevard Frevard Frevard Flay Columbia Flay Flay Flay Flay Flay Flay Flay Fla	Acres	Tona 2 2 1 1 1 1 4 7 7	Value \$
Saker Say Fradford Frenerd Serward Jahoun Itrua Itay Columbia Jade Jesoto Duval Scambia Frank'in Adden Jesumon Je	1	1	44
Ray Say Say Say Say Say Say Say Say Say S	1	1	2:
Bradford Brevard Brevard Browaard Jalhoun Ultrua Hay Joiumbla Jade JeSoto Duval Becambia Frank'in Bradsen Hamilton Hernando Hillsborough Holmes Jackson efferson Affayette Ake Jeee Jeee Jeen Jeyr Jackson Jefferson Jef	1	1	2: 2:
Srevard Srevard Sroward Sroward Salhoun Strue Stay Solumbia Sade Sesoto Suval Scambia Scambia Scambia Scambia Scambia Hagler Frank'in Sadsden Sadsden Sadsden Sadsden Samiton Sernando Hillsborough Holmes Sackson Seferson Safayette Sake See Seon Sevy Sadison Starter Sassau Spansau Starter Sassau Skassau	1	1	2:
Browaard alhoon	1	1	2:
Inhoun Iltrum Ilay Solumbia Oade DeSoto Duval Scambia Scambia Scambia Sagler Frank in Sadsden Ismitton Ismitton Illisborough Holmes Ickson I	77	47	2:
Hay columbia lade leSoto Duval leScambia lagler lagler lagler lamliton lernando lllisborough lolmes lackson lefferson lafagette lake leee leee leee leee leee leee lee	77	47	2:
Columbia Pade Dade DeSoto Duval DeSoto Duval Desoto Duval Desoto Duval Desoto Duval Desoto Dival Desoto Dival Desoto Deso	77	47	1,21
Dade Dade Dade Date Date Date Date Date Date Date Dat	77	47	1,21
DeSoto Duval Sacambia Sacambia Sacambia Sacambia Sacambia Sacambia Sacambia Sacambia Sadaden Ismitton	77	47	1,21
Duval	77	47	1,21
Tagler Frank'in Fadaden Frank'in Fadaden Fernando Hilisborough Holmes Fackson	77	47	1,21
rank'in ladsden lamiiton lernando Hillsborough Holmes ackson leferson Afayette ake Aee Aeon Aey Aberty Idanstee Ifarion Honosa Dkalcosa	77	47	1,21
ladsden familton fernande fernande fillsborough folmes ackson efferson Afayette Ake Aee Aeon Afayette Afayetty fiderty fidantee finsten Monroe Vassan Dkaloosa Dkaechobee Drange Baccola Pasco Polk Polk Aecola Pasco Polk Aecola Aec	77	47	1,21
iamilton fernando fillisborough folmes fackson efferson Afayette ake Aee Aeo Aeo Aeo Aeo Aeo Aeo Aeo Aeo Ae	77	47	1,21
Illisborough Holmes ackson efferson Afarette Asee Ase Ase Asy Aberty Hadison Hanstee Harion Monroe Vassan Valoosa Vaccolae Parage Baccola Parage Polk Pasco	77	47	1,21
Holmes ackson ackson efferson .afayette .ake .ee .eon .evy .aberty fadison fanatee farion fonroe Vassan Dkalcosa Dkaechobee Drange Baccola	77	47	1,21
ackson efferson afarette ake ake ee eon evy fandison fanatee farion fource tassan bkeechobee prange beceola alon each	77	47	1,21
efferson Afarette Ake Ake Ake Ace Acon Acy Aberty Aberty Indison	77	47	1,21
Afayette ake Afayette Ake Afe Afe Afe Aferty Afalison Afanatee Afarion Afonroe Afasan Ukaloosa Ukaloosa Ukaloosa Afarion Afario	77	47	1,21
ake ee ee eon evy doberty iadloon ianaice farion fonroe assau kaloosa kkeechobee prange secola alm Beach asco inellaa olk			1,21
Acon Acvy Aborts Addison fanatee farion fonroe Aassau Valoosa Valoosa Drange Becola Parion Pasco Valous Valoosa Pasco Valous Valoosa Pasco Valous Valoosa Pasco			1,21
Aberty Aberty Aberty Action fanatee farion Acoroe Sassau Maloosa Maccohobee Drange Baccola Palm Beach Pasco Vinellaa			1,21
Aberty iadison ianatee farion fonroe sassan bkaloosa bkeechobee prange beecola salm Beach Pasco			
fadison fanate fanate farion fonroe fassar bkaloosa bkeechobee prange baccola faim Beach bacco passe			
fanatee farion force fassau kaloosa keechobee lrange lacela alm Beach Pasco linellaa			
Monroe Sassau Skaloosa Skachobee Drange Daccola Saim Beach Pasco Pasco Pasco Pasco Pasco Pasco Pasco	· · · · · · · · · · · · · · · · · · ·		
iassau kaloosa kaloosa keechobee lrange becola alm Beach Pasco		b	
kaloosa keechobee lage lage lage lage lage lage lage la			
Pkeechobee Drange Daceola Alm Beach Pasco Pinellaa			
Prange Baccola			
aim Beach Pasco Vinellaa		[
Pasco			
Pinellaa	1		
olk			2
Putnam		<u>-</u>	
anta Rosa	1	- 2	. 4
Seminole			
it. Lucie			
Sumter			
awannee			
Caylor			*********
Valusia			
Walton			
Washington	3	2	4
Totala			

[&]quot;Not reported.

TABLE NO. 1—FIELD CROPS, 1917-18. Continued.

		MILLET	•
COUNTIES	Acres	Tons	Value
tachua			\$
Baker			~
Bay	1	1	25
Sradford	29	34	838
Brevard			
Broward	11	33	770
Alhoun			.
Itrus	1		
Columbia	3	1	22 36
Dade	2	4	60
DeSoto		4	5(
Ouval			(A)
Escambia	11	15	300
lagler	1		000
Trankiln		1 - 4 - 1 - 5 - 7 - 4 - 1	
Gadsden	5	11	320
Iamilton			
dernando] 1	2	50
Hillsborough	15		1,100
folmes	1	11	20
lackson			
lefferson			
Lafayette			
bake			
Lee			
Leon	3	. 2	4:
Levy	3	9	170
Liberty	2		50
Manatee			
Marion			
Monroe			
Sassau			
Okaloosa			
Okeechobee			
Orange	5	15	759
Osceola			
Palm Beach			,
Pasco			********
Pinellas	1	- 1	2
Polk			
Potnam,		************	2
Seminole	i	1	2
St. Johns	1		-
St. Incte	2	2	6
*Sumter		1,	
Suwannec			
Taylor		7	
Volusta	1:	10	30
Wakulla			
Walton			freeze freeze
Washington ,	2	3	. 5
	<u> </u>		
Totals	117	169	\$ 5.07

^{*}Not reported.

¹⁶⁻Com.Agr.

COUNTIES			MILO	MAISE	'
. COUNTES	Acre	s	T	ons	Value
Alachus					18
Dales	ŀ	9.6	i	× 935	790
Bay					
Bradford ,					
Brevard				10	
Calboun					
Cltrus				>	
Clay					
Columbia	<i></i> .				
Inde					
Duval					
Escambla					
Fingler					
Franklin					
Gadsden					
Hamilton					
Hernando		110		168	1,130
Hillsborough		-*		100	1,130
Jackson					
Jefferson					
Infavette					
Loke					
Lee					
Leon					
Levy					
Liberty					
Madison				******	60
Marlon	,	12		30	
Monroe					
Хаязац					
Okaloosa					*******
Okeechobee]			
Orange				- 4 4 5 4 6	
Osceola					
Pasca		-6		51	120
Pinellas					
Polk		}			
Pulnam					
Sania Rosa					
Seminole					
St. Johns					25
*Sumter		2.			
Suwannee					
Taylor		101		50	
Volusia		10]		91	270
Wakulla]	
Walton					
Washlugton		1			
Totals		109		1,258	4,415
100113		1		1,270	
		-			4

^{*}Not reported.

TABLE NO. 1-FIELD CROPS, 1917-18, Continued.

Α	1	PEANUTS		
COUNTIES	Acres	Eushels	Vulue	
	1			
lachua ,				
aker		41,631	60,933	
лу		8,2961 195,5301		
radford	17/1/401	(361,039)	200,000	
roward				
groward growle		85,680	171 77	
itrus		85,154		
lay	119	1,472	3,97	
olumbla	16,0731			
ade				
kePoto	1,2751	24,153	49,32	
nval	.1 371	830	1 .00	
scambia	5251	13,725	22.89	
Inglar	.1 91	225		
ranktin				
adsden		172,877	10 587	
amilion	9,7341	135,853		
fernando	. 83	1.9,557	26,53	
[Illshoroug')	. 1.4521	31 938	93,77	
olmes	11.6811	171 3791 251,694	212 25	
ackson	. 45,035	251,694	T 513 40	
efferson	4,866	99,703	1 39,70	
afayette	. (8,3391	237,890		
ake	. 1721	5 367		
ee	.1 711	2,797	un g	
eon		103,899		
evy	9,784]			
Aberty	1.044	24,595	36,40	
fadison	. []			
fanatee		25		
Iarlon	14,641	329,995	86,178	
lôproe ,				
assau	1B7	7,830	0.01	
kaloosa		20,046		
Reechobee		2,615	7.53	
Prange		320 100	G81	
ereola	. 940	38,288		
asco	1,035			
inolina	1,9110	11,000		
inellas	95	1,254	3,31	
uteam	442	7,595	14,25	
anta Rosa		24,361	1 39,70	
cmlnole				
t, Johns	4	250	. 50	
t. Imcie'		108	44	
Sumter		*********		
gwanneg	15,362	274,331	301,97	
aylor	1,376	19,482	43.71	
olusla	693	9,010	29,46	
Vakulle	2,530	70,130		
Valton	2,755	36,609		
Vashington	6,561	83,702	88,70	
	017.100	4100		
Totals] 217,129	4,183,411	[\$ - 5.643,04]	

^{*}Not réported.

TABLE NO. 1—FIELD CROPS, 1917-18, Continued,

,	TOBACC	O-Open Fleld	Culture
COUNTIES	*		
	Acres	Pounds	Value
Alachua		**********	
Baker	15		800
Bay			
Bradford			
Broward			
Calhoun			
Citrus			
Clay			
Columbia			
Dade			
DeSoto			
1741743 4 747444444444444444444444	***********	200	-60
Escambla	1	200	96
Franklin			
Gadailen	925	913,005	189,920
Hamilton			
Hernando			
Hillsborough] ⊢_3		620
Holmes	31	642	631
Jackson			
Jefferson		20	10
Lafayette	ı ı	20	10
Lee			* * * * * * * * * * * * * * * * * * * *
Leon	63	54.845	25.345
Levy	ĭ		75
Liberty			
Madison			
Manatee	31		
Marlon',	31	2,420	630
Monroe			
Nassau Okaloosa			
Okcechobee	. 71		
Orange			
Osceola			
Palm Beach			
Pasco			
Pipelias			[
Polk			
Putnam			
Senin Rosa	0 1	400 75	12:
St. Johns		1	
St. Lucie	1	82	34
*Sumler	i		
Suwannee			
Taylor	1		
Volusia			
Wakulla			
Washington	4	299	145
	ļ		-
	4 000	974.338	\$ 217,907
Totals	1,083	\$1 27 (4) -52526	3 2 1 a 2001

[&]quot;Not reported. .

/	TOBACC	r Shade		
COUNTIES	A cres	Ponnds	Value	
lachua			\$	
ау				
radford				
Itrus	1	75	50	
lay		1		
columbia				
		1		
uval				
scambia				
	1.747	1,890,440	1,025.497	
adsden			1,025.401	
ierpando				
Illshorough		1		
Iolmen	1	19	4	
ackson				
efferson				
afayette				
ake				
æe				
eon	74	69,400	62,310	
evy				
lberty				
ladison	38	43,500		
[anateo				
Vassau				
ecola .				
alm Beach				
28cg				
Inelins				
olk				
Patena ,				
. 100				
t. Johns				
t. Lucle ,				
Summer				
Yolusia				
Vakulia				
Valton				
Vashington				
		1		
		T		
Totals	1,981	2,123,427	\$ 1,224,58	

^{*}Not reported.

TABLE NO. 1-FIELD CROPS, 1917-18. Continued.

	WOOL-Spring Clip				
COUNTIES		Fleeces	Pounds	Value	
Alachua	1		* * * *, * * * * * * * * *	\$	
Baker					
Say		5001	1,500	999 908	
D	·	500 275	431	when a second	
neevard Enthoun Citrus Clay Columbia	ļ				
Calhoun		2,201	6,580	3,934	
Clay		450	1.310	743	
Columbia					
VIIME					
DeSota	1	2101	875 5,800 6,801 11,200	600 1,940	
Kacambia	i	2.047	6.801	3,988	
Flaglec	1	3,500	11,200	4,780	
Franklin		170	370	380	
Hamilton	1		910		
Hernando		1351	740	700	
Hillshorough		1,000 280			
Holmes		280 250			
Jefferson	Ĺ	T1			
Lafaycite	1		,,,		
Lanke	ļ4				
Lee		3871	1,5401	835	
Levy	1	387 51 1,398	13 4,409	835 [10	
Liberty	r	,1,398	4,409	3.033	
Madison					
Marlon		2.660	8.620	5,370	
Monroe	ļ				
Nassau		1,930	5,601	2,749	
Okaloosa	1	10.316		1 23 600	
	1			1	
Orange Osceola Palm Beach	1	2,300	7.000	5 000	
Pages	ļ	410	2.285	6,384	
Pincilas	1			19,910-9	
Polk	1	500	2,000	2,400	
Paim Beach Plasco Placias Polk Putnem Sania Rosa Seminole		10 107	40.003	21,539	
Seminale		144,126	40,261	21,830	
17ta #1411113 aareaareeeareeare					
St. Lucle	ļ			1	
*Sumler					
Taylor	1		1	1	
Volusia		3,120	10,000		
Wakulla		12 8,881) 36) 27,220	17 994	
Washington		6.250		n.55:	
	1			1	
Totals		64,530	207.076	129,360	

^{*}Not reported.

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TABIE NO. 1—FIELD CROPS, 1917-18. Continued.

CO POUNTING	VE	LVET BEAN	is.
COUNTIES	Acres	Bushels	Valne
lachum	. 8,718)	110,880	
aker		13,019	
ay		9,527 24,503	27,52 34,50
radfordretard		1.820	4.00
roward		27	54
alboun		74,587	74,58
itrus		10.325	18,98 14,92
lny		6,762 35,547	72.48
ade		80	53
eSoto	662	13,636	23,99
uval		1,550	2,54
scambia	662	7,258 537	
lagler		001	1,21
ndsden		24,856	24,92
amilton			
ernando	214	1,175	3,38
Illsborough	1,407	29,367	176,40 1 314,89
olmes	. 11,788] . 13,915	104,964 51,609	
derson		6.420	6.42
afayette		21,058	
oke	. 1 66	680	68
ee			
eon	5,878 2,220	59,149 43,004	69,28 84,99
evy	1,297	11,269	21,05
adlson	.] 160]	- 980	1,92
anatee		15	[3
arion		60.390	62,71
asson		5,329	7.90
kaloosa		117.149	93,69
keechohee			
range	257	2,395	4.80
sceola		390 240	
BBCO	681	6.906	
Inellaa		25	
olk	. 42	808	
etnam	. 405	5,372	15.91
enta Rosaemlnole	4,649	32,739 35	59,55
t. Johns	i		
t. Lucie		1,028	1,02
Sumter	.		
nwannee	383	2,545	3,96
aylor	. 1,102 . 505	5,112 3,546	
oinsia		22,980	
Alton	. 0.524	50,488	50,46
aahlngton	.] 6,544	77,852	77,85
	117,263	1,039,776) \$ 1.675.49

[&]quot;Net reported.

TABLE NO. 1—FIELD CROPS, 1917-18.

. COUNTIES	VELVET BEAN HAY		
	Acres	Tens	Value
lachua		8	
aker	271	330	6,00
ay		2 5	9 11
revard	0	9	11
noward		50	23
nlhoun		53	1,30
Itrus			
[ny ,		234	2,04
olumbia	4	2	4
ade eSoto	17	191	34
uval	82	631	1.19
scambia	2,400	2,170	34,64
lagler	31	11!	22
ranklin			
adsden		5	10
nmiliton	4		
Illsborough	85	/ 155	2.50
olmea		351	70
ackson	471	661	49
efferson		391	81
afayetle		طبعددددد	
ake		22]	44
er		49	86
CON		54	. 91
lberty	*****	""	
adlson			
innalee			
farlon		67	78
lonroe	74		
nssau		30	1,00
Renchobse	5	32	15
range		76	1.7
Isrcoln			
alin Beach	.1 211	130	3,8
ASCO		1,638	4.6
'inellas		n	
utnam		332	6.53
anta Rose		488	9,9
eminole			
t. Johns		5	
1. Lucle		5	20
Symier ,		G	
uwannee		.88	1.0
olusia			
Vakulla			
Valton			
Vashington	-) 5	4	
Totals	4.382	6,232	\$ \$5,1

^{*}Not reported.

TABLE NO. 1—FIELD CROPS, 1917-18.
Continued.

*	4		RYE				
	COUNTIES		Acres		Bustels	-1	Vaire
		-	Artes		FT FT	i i	1.011.4
linchua						T. 15.	
Baker .							
Bay						1	
3radford							
3revard				1			,
Broward							
alhoun						· - [
ltrus .	*********			14		75	20
May				بإبيد		!	
nldmulo'				4		24	7
Dade			*****	***			
DeSoto . Duval .						20	4
ruvar . Sacambia						- Hari	
Jagler .							
ranklin							
adeden							
Iamilton				; .		1111	
Ternando				201		20	
Hilsboro							. '
ackson							
efferson				127	1.6	1088	3,20
Lafayette				i a		agi	11
ake .		1		- 81	1 1	1001	10
æe		1 .					
∡eon				141	1	80 4	40
evy .				51		181	2
lherty .				[.		ببإبت	
Madlson				601		3001	194
lanatee				11		501	24
Marlon .				, 11		108	-30
donroe ,						290	
Ynesau .				12	-	2391.85	*1,
Okalonsa				-			
Okeechob Oranga							
Daceola .							
Palm Be				```i			
Pasco .							
Placlins							
Putnam				101		1001	21
Santa R			er .	31.			1
Seminole				[4]	
St. John							
	C						
Sumter						105	
Suwanna				45 13	1	301	4 (1
Taylor . Volusia				31		301	
Wakuba							
Whiteh				5111			
Washing]	
an annual purity,				1			
		- 1				1	
Tatals				3391	3	3961\$	7.03
4 11 (11 10)				- F OR BC			

^{*}Not reported.

			BROOM CORN		
	COUNTIES	l	-[1	
-		Acres	Tons	Vatue	
	1	Acres	Tona	Value	
Alachua					
Baker .					
Itay Bradford			3	200	
Brevard		-1		1	
Broward					
Calhoun			<i> </i>		
Cltrus .					
Cotumble			50i 8	240	
Dade .					
DeSolo .		-	1	40	
Duval . Escambia					
Flagler					
Franklin					
Gadsden		-)			
Hamilton Hernande					
Hillsboro			45	96	
Holmes	• • • • • • • • • • • • • • • • •		. []	1	
Jackson				[
Jefferbon					
Lafayette Lake	?	-			
Lee			• • • • • • • • • • • • •		
Leon .			4 2	150	
Levy .]		
Laberty					
Madison Manatee				A	
Marion			5 6	120	
Monroe					
Nassau					
Okaloosa					
Okcechob Orange	ee		1 5	78	
Osceola		1	Σ.		
Paim Be					
Pinellas		•	8 12		
Polk .				1	
Pulnam	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				
Sanla R					
Seminole					
St. John St. Luci	S				
Spwanne	e				
Taylor					
Volusla Wakulla					
Walton					
Washing	ton				
m-1-1		1	83 37	9.70	
Totals		- i	83) 37	2,103	

^{*}Not reported.

TABLE NO. 1—FIELD CROPS, 1917-18. Continued.

COUNTIES		[
	Acres	Tons	Value
lachua			\$
aker			
ау	. 1	1	2
radford			
revard			
alhoun			******
tres			
lay			
olumbia	2	1	2
ade		1	
eSoto	4	5	65
uval,	. 1	2	€
scambla			
lagler			
ranklin			
adsden			
amilton	.		*********
ernando	75	120	4.05
illsborough ,			1,0
eckson			
efferson			
afayette			
ske	13	80	7:
66 · · · · · · · · · · · · · · · · · ·	1	25	43
eon	`````		
evy			
lberly			
ladison			
fanatee	.]	12	2:
arion	. 22		5
ontoe			
nssau			.7
knloosa			
keechobre	. (<u></u>	
range	. 19		1,1
sceola		10	94
nim Bench			
inellas		39	7:
olk ."	10	39 . 20 68	4
utnam	16	68	4
anta Resa			
eminole			
t. Johns	. 2		4
t. Lucie		1 1	<u>}</u> '
Sumter	. [
uwannee			
aylor	16		*********
olusia			3
Vakulla			
Valton			
HERTHERON			
		<u> </u>	
Totals	. 189	497	11,23

^{*}Not reported.

TABLE No. 1-FIELD CROPS, 1917-18. Continued.

	ALF.	ALFA (LUCE)	RNE)
COUNTIES			27-1
	Acres	Tons	Volue
Alachua			
Baker Bay			
Brudford			
Broward			
Calboan			
Citrus			********
Clay			
Dade	8	18	300
DeSoto			
Duval	48	170	740
Escambia			
Flagler			
Franklin			
Gadsden			*******
Hemilton			* * * * * * * * * * * * * * * * * * * *
Hillsborough		1	3(
Holmes		1	
Jackson			
Jefferson			
Lafayette	,		1
Lake			
Lee			
Leon			
Liberty			
Madison			
Manatee			
Marion			
Monroe			
Nassau ,			
Okaloosa		*********	
Okeechobee			
Osceola			
Palm Beach			
Pasco			
Pinellas			
Polk			
Putnam			[<u>.</u> .
Santa Rosa	1		3:
Seminole		S	77
St. Johns St. Lucie		a	10
*Somter			
Suwannee			
Taylor ,	,		
Volusla			

Walton			
Washington		**********	
	-		
Ţotnis	, 53	192	1,180
		- 1	

^{*}Not reported.

	c	ASTOR BEAN	s
COUNTIES	Acres	Bushels	Value
Alachua ,	1,729	8,224	44,572
Baker	14	150	
Bradford	14	150	450
Brevard			
Broward			
Calhoga	186	1.897	4,394
Clay	133	905	2,743
Columbia			*****
Dade	205		
Duval	253	5,746	13,840
Escambia	j	50	225
Flagler			
Franklin			
Gadsden		1	
Hernando		95	285
Hillsborough	815		
Holmes	16	240	720
Jackson			**********
Lafayetle	116	1,615	4,845
lake) =		
Lee		7,795	
Leon	466	7,795	23,385
Liberty			· · · · · · · · · · · · · · · · · · ·
Madlsoo			
Manatee :	\ <u></u>		
Marion	273	1,689	6,409
Nassau			
Okaloosa			
Okeechobee	24		
Orange	5	30	200
Pulm Beach	719		
l'asco	771	5,409	15,327
l'inellas			
Polk) , 1	40	120
Sauta Resa	6	25	75
Seminole			
St. Johns	752		
St. Lucie	752	385	1,015
Suwannee			
Taylor] 10	340	970
Volusia			*********
Wakulia			
Washington			
		1	1
Totals	6,488	84,777	120,550
6 .			

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

COUNTIES		enotro	1
	Acres	Crates	Value
Alachua			\$
Baker		***********	F
Bradford	0	330 50	
Brevard	4	315	
Broward	16	2,445	1,020
Catheun	3		(
Clay		206 91	
Cotumbia	- 2	25	
Dade	-5	960	
DeSoto	14 12	1,240 625	
Escambla	11	79	
Flagler	1	20	20
Franklin	11)	2,150	
Gadaden Hamilton	1	15	30
Herapando	1	50	200
Hillsborough	66	0,088	9,534
liolmes Jackson	1	50	100
Jefferson			
Lafayette	1	22	44
Lake	1	164	190
Lee	4,0	398	664
Leon Levy	20	190 600	310 1.500
Liberty			
Madiaon			
Manatee	10)	1.600	760 1,535
Monroe	77	363	264
Nassan	1	4	41
Okaloosa	1 28	60 4.243	65 3,517
Okeechobee	20	563	910
Oscelon			
Palm Beach	804	62,694	130,123
I asco	131	230 251	544 481
Polk	12	980	1,044
Pntnsm	1 1	25	75
Santa Rosa	16 4	- 120 563	
Seminole	4	003	801
St. Lucie	31	1.851	2,000
*Sumter			
Suwapace			
Taylor	29	4,055	5,800
Wakulla			
Walton			
Washington		~ 6	15
Totals	1,155	94,489	\$ 175,520

^{*}Not Reported.

TABLE/NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

COUNTIES		LETTUCE	1
, cooning ,	Acres	Crates	Value
Alachua	152	24,355	18 28,870
Baker			*********
Bradford			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Brevard	***********	*********	
Broward	2	150	No.
Calhoun			
Citrus			

Dade			
DeSoto		550	้ มีมีเ
Duval	3	550	104
Flagler			
The military of	3	80	100
Cadaden			
Hamiton Hernando Hillsborough		*****	
Hillsborough Holmes	132	21.950	44,900
Holmes ". ,			
Jackson ,			·
Jefferson			
T.nba	11	1.072	918
Lec			
Leon		30	20
Levy	11		1 3,300
Elberty Madison			
Manatee	203	267,955 28,255	115,485
Marion	180	28:255	31,630
Monroe Nassan			
Okaloosa			
Okrechobee			
Orange Oaceola	332	94,207	194,515
Oaceola Palm Beach	40	9,099	19,855
Palm Beach	* 1 4 * * * * * * * * * * *		
Pinellas	₹1	1,110	
Putnam	90		
Santa Rosa	· · · · · · · · · · · · · · · · · · ·		
Seminole	7711	204 0751	147,818
St. Johns	إج مهمتمتنيات		
St. Lacle	1	70	ngo
'l'sylor .'			
	26	4,790	5,905
Wakulla		+	
Washington			
Totals	2,683	Z47,348]	តិ ភូវខេត្តករ
	<u> </u>		

[&]quot;Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

Continued.

	i	,	CELERY	
COUNTIES .				
	- 1	Acres	Crates	Value
lachon				¥
aker		*********		
rad ford				
revard		3 2	1,000	2,00
roward		2	370	69
litrus			*********	
lay				
columbia ,				
lade		141	7.510	3,00
uvul		10	373	1.02
scambla		16		
lagler				
rankita				
amilton				
fernando				
Illahorough		121	82,872	217,28
efferson				
afayette				
ake		1	150	17
ee		 		
evy				
lberty ,				
Indison		669	297,115	-188,5
larlor		. 8		2.13
lor roe		8	2,150	
assau				
Okaloosa				
range] 5]	1,200	1,20
sceola				
alm Beach		2	~ 470	. 8
asco		1	175	3:
olk		22	3,588	3,4
etnam		2	185	1:
Santa Rosa		802	185 463,088	379,3
seminole	<i></i>	1	6	
t. Lucie		. 1]	1.6]
Sumter				
Suwappes				
olusia		2	540	8.
Vakulla		[
Walton'				
Nashlukton		3		
]		
Totals .		1,661	854,298	\$ 798,16

^{*}Nut reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

Continued.

COUNTIES	PEPPER		
	Acres	Crates	Value
Alachua	14	1,010 1	1,300
Baker	14	12	
Bay Bradford			
Brevard	2	150 183,212	250
Broward	959	183,212	320,115
Citrus			,
Clay	1	10	
Columbia			
Dade	181	13,068	29,785
Duval	8	765	1.104
Escambia	181 3,081 6 1	25	75
Flagler			
Franklja Gadsden			
Hamliton			
Iernando	1.	25	59 9,552
Hillsborough	1 3	4,450	9,952
Jackson			
Jefferson	1		
Lafayetic	1	2 100 60,741 50	4
Lake	915	60 741	138 500
Leon	210	1	100,002
Levy	1	50]	150
Liberty			
Manatee	409	69,988	98.886
Marlon	409 22	1,890	1,835
Monroe	.3031	23.31	36 11
Nassau	3 41		
Okeechobee	3	500	500
Orange	41	0,585(12,708
Osceola Palm Beach	2 848	387 747	547,924
Pasco	3	441	652
Pinellas ,	2,646		
Polk	14	2,132 35 121,156 5 3,189	2,281
Santa Rosa	1	35	50
Seminole	323	121,156)	130,646
St. Johns	241	3 190	20 8,140
*Sumter		0,100	0,14-
Suwannee	}		
Taylor	2	000	4.0
Volusia	2	290	441
Walton			***********
Washington	[
Totals	8,030	845,213	* 1,363,264

^{*}Not reported.

¹⁷⁻Com.Agr.

TABLE NO. 2—VEGETABLES AND GARDEN PRODUCTS, 1917-18. Continued.

COUNTIES	IRI	SH POTATOR	es
COUNTIES	Acres	Bushels	Value
dachua	134	8,201	\$ 6,120
Baker	. 64	3,925	6,200 1,006
Redford	32	3,270	5,520
Brevard	904	240,328	47,326
Broward	490	42,220	48,320
litrus	7	718 980	1,436 1,469
lay	532	55,493	15,394
Columbia		445	775
DeSoto	3,941	11,780 290,715	17,575 317,485
Ouval	181	18,127	24,563
Sacambla	237	13,992	25.200
lagier	2,522 28	182,491 -5,700	127,457 17,100
Gadaden	2	114	228
Inmilton		4,830	3.775
Iernando Illiabotongh	1.571	171,149	176,853
101Des	1 22	2,130	2,693
ackson			
ackson efferson afayette	15	1 242	0.001
ake	91	1,242 7,283 11,267 1,957 4,377	2,281 8,254 9,500
æe	118	11,267	9,500
eou	25 85	1,957	8,741 8,557
Aberty	- 1	401	80
Aberty	1	50	200
fanatee	371 779	27,384 78,890	13,317 138,820
ionroe	[100,020
aasau		916	. 1,448
Vassat Okaloosa Okeechobee	1,042	100.076	35,349
cauge	477	90.075)	30 000
eceloa	884. 2,720	55,520	55,350 545,243
Palm Reach	2,120	55,520 334,825 3,280	6.525
Inellas	. 103	9,705	12,964
Polk	3,966	54,503 419,175	41,40
Putnam	57	2,002	489,830 3,868
eminole t. Johns	201	42,590	39,126
t. Johns	14,574	2,183,874	1,087,020
t. Lucle	211	41,236	27,690
Snwannce		300	450
Taylor	001	78,840	
olusia Vakulia	201	18,840	92,785 175
Valton			
Vashington	. 4	•150	245
Totals	38,596	4,552,465	4,403,361

[&]quot;Not reported.

TABLE NO. 2—VEGETABLES AND GARDEN PRODUCTS, 1017-18. Continued,

		DASHEENS	
COUNTIES			
-	Acres	Bushels	Crates
ischun			
aker			
ay-ja jarana manana manana			
radford	· · · · · · · · · · · · · · · · · · ·		
revard	18	200 1,170	1,24 1,50
Rlboun	J. 41	1,170	1,00
trus	1	10	5
lay			
olumbia			
ade	2		15
eSoto	34		2,87 15
scambla			10
lagler	10		81
ranklin			
adsden		[-,,-,	
amliton			
ernando ,	. 24		1(
lilaborough ,	. 24	2,392	3,82
Ackson			
efferson			
fayette			
Like	в	1,225	1,23
ee	**********		
еоп			
evy			
adison			
anatee	10	1,100	36
arion			
onroe		()	
A658U	16	3,117], 3,70
kaloosa	1	{·······	
keechobee		10	
scenia			
alm Beach	15	20,075	4,16
R800	36	3,752	4,14
inelias	1		13
olk :	4 3	220 100	33
nta Rosa	1	100	18
eminole			
t. Johns			
t. Johns	10	527	98
Sumter			
nwannee			
aylor	11	960	0.00
oinsia	11	50	2,88
falton		00	
Ashingion			
Totals	217	38,533	\$ 28,32

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

Continued.

	CABBAGE		
COUNTIES	Acres	Crates	Value
Alachua	485	62,080	\$ 61,90
nker			4 50
ay	23	1,110 625	1,59 1,05
revard	33	840	88
roward	778	78,640	75,20
alhoun	. •3	97	. 31
trus	1 2 5	285 391	36 81
lay	1 4		25
ade	38		8,40
eSoto	552	61,500	65.30
uval	24		4,93
scambia	. 8		1,64 4,31
lagier		4,900	14,70
adsden	· "i	15	7
amilton	[
ernando		315	45
illsborough		102,912	150,76
olmes			
merson	1 1		
afayette	50	195	40
ake	577		24,56
ce	159	17,478 95	7,52
evy	74		
Berty		70	
adison	[
anatee	2,179 417	272,300	132,44
arien	39	36,770 300	27,09
ASSCH			
kaloosa			
keechobee			27.03
range			25.52 8.78
sceola		22,635	582.10
8800	2	214	532 10
inellas	68	8,834	3,92
olk	1,018	160,619 295	80,43
utnam	24	133	
eminole			30,59
t. Johns	8	168	49
t. Lucie	495	48,126	26,81
Sumter			
awannee'aylor			
olusia		0.025	14.20
akulla	1	200	
alton			
ashlugton	3	54	12
	1 .		
Totals	10,253	1,032,379	\$ 1,358,63

^{*}Not reported.

TABLE NO. 2-YEGETABLES AND GARDEN PRODUCTS, 1917-18.

COUNTIES	ı	OMATOES	
	Acres	Crates	Value
Alachua	16	1,580	1,520
Baker			
Bradford	-22	300 2,830	300 2,991
Brevard	17!	8151	1,935
Broward	6.925	1,135,556	1,932,705
Calhoun	1(377	10 655
Clay	2	210	895
Columbia	3	155	295
Dade	7,693	860,090	1,323,175
DeSoto	383	34,224 1,880	35,294 3,380
Escambia	1	82	95
Flagler	1	25]	1,50
Franklin	, 8	1,550	4,650
Gadaden	3	300	300
Hernando	14	600	1.090
Hillsborough	102	29,522	54,961
Holmea	1	53	175
Jackson			
Jefferson	16	1,648	2,509
Lake	. 22	2,411	2 ዓንስ
Lec	267	31.436	47,365
Leon	- 3	288	505 3,510
Levy	1,218	1,510 25	3,010
Liberty		20	
Manatee	1.036	157,706	291,440 33,767
Marion	348	29,450	33,767
Monroe	149	5,606	7,766
Okaloosa			
Okeechobee	204	17.177	18,277
Orange	204	28,206	65,857
Oaceola	1,852	900 430,842	650 2.314.018
Pasco	13	1,011	1.604
Pinellas	3(265	600
Polk	1111	10.926	14.486
Putuam Santa Rosa	20	248	1.865
Seminole	114	24,999	47,209
St. Johns	2] -	120	250
St. Lucie	323	31,683	60,819
*Sumter	2	105	68
Taylor	11	10	18
Volusia	37	4,745	6,010
Wakulla			
Washington	10	311	360
Totals	21.186	2,852,426 \$	0,287,557

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18. Continued.

COUNTIES	SQUASHES		
	Acres	Crates	Value
ischus		[
aker	(
radford	3		400
revard			25,86
roward		15,255	25,860
alhoun			
lay			
otumble .,			
Dade	5 74	10,570	620 9,50
Puval	1 1	280	460
scambia	ī		
lagler		220	444
ranklin Adsden	1	220	1 22
Inmilton			
Iernaudo	38	4,360	
Illisborough	39	4,360	5,310
Iolmes			
efferaon			
afayette	10		
alte	28		4,50 1.64
же	1	23	1 3
evy	61	6,015	6,01
Aberty			
iadison	18	2,360	2,65
darion	133	860	68
onroe	- 12	1,000	
Vassau			
Okeechobee			
brauge		250	32
deceola	138	27,198	53,88
Asco		195	27
fineilass	1	25	2
olk		.352	
Tutnam		90	8
seminoje	45	7,237	
t, Johns		1 86	16
St. Lucie		488	86
Sumter	, , , , , , , , , , A		
Paylor		220	
Volusia		220	29
Wakuila			1
Washington :			
	590	82,543	\$ 124.71

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18. Continued.

Acres	EGG PLANTS		
Alachua 6 Baker 6 Bay Bradford 7 Broward 1 Broward 129 Calhoun 6 Citrus 4 Clay 7 Columbia 9 Dade 46 DeSoto 200 Daval 3 Escambia 1 Fragler 1 Franklin 1 Gadsden 1 Hamillon 1 Hernando 1 Hernando 1 Hilisborough 53 Holwes 1 Jackson 1 Jackson 1 Jackson 1 Jackson 1 Lafayette 1 Late 6 Lee 60 Leon 1 Levy 61 Liberty 61 Liberty 61 Manatee 99 Marion 11 Monroe Nassan Okeecholec 14 Orenge 8 Oscoola 2 Palm Beach 831 Pasco 9 Palm Beach 831 Pasco 9 Palm Beach 831 Putnam 8 Santa Rosa 9 Putnam 8 Santa Rosa 1 Putnam 8 Santa Rosa 5 Seminole 56 St. Johns 1 St. Lucie 7 Suwannec	Crates	Value	
Baker Baker Bradford 1 Broward 129 Calhoun 4 Clay Columbla Dade 46 Desoto 200 Dnval 3 Escambla 1 Franklin 1 Gadsden 1 Hamillon 1 Hernando 3 Hilsborough 53 Holmes 1 Jackson 1 Jefferson 1 Lafayette 1 Lake 1 Leo 6 Leo 6 Leo 6 Leo 6 Leo 9 Marlon 11 Monroe 11 Monroe 1 Nassau 0 Okaioosa 1 Okreecholee 14 Orange 18 Oscoola 2 Palm Bea	Ciaco	, and	
Bay Bradford Broward 1 Broward 129 Calhoun 4 Citrus 4 Columbla 46 Dade 46 DeSoto 200 Daval 3 Escambla 1 Fragler 1 Franklin 1 Gadsden Hamillon Hermando 53 Hidisborough 53 Hidisborough 53 Holoues 1 Jackson Jefferson Lafayette 1 Lake 1 Lee 60 Lee 60 Lee 60 Lee 90 Marion 11 Monore Nassau Okaioosa 0 Okraeccola 2 Palm Beach 83 Pasco 2 Plott 13 Putnam 1	1,450	\$ 91	
Stradford 1 1 1 1 1 1 1 1 1			
Stevard 1			
Stoward 129 Alboun 129 Alboun 129	75	7.	
A		38,09	
Pay		49	
Dolumbla	205	. 49	
Dade 46 200	*********		
pesoto 2000 lowal 3 secambia 1 riagier 1 rankilla 1 ladsden 1 familion 1 lernando 3 fitisborough 53 lackson 1 fefferson 3 lackson 1 leve 60 leon 1 leon 1 laberty 4 dadison 9 dantee 9 dariatee 9 dariatee 9 dariatee 9 dariatee 1 darrenge 1 Drange 1 Drange 2 Pelmellas 2 Polk 13 Putnam 1 Saminole 56 St. Johns 1 St. Lucie 7 Shall 1 <t< td=""><td>6,340</td><td>9,97</td></t<>	6,340	9,97	
Daval	22.575	26.65	
Secambia 1 Plagier	125	26,65 32	
	15	. 1	
Sadsden Sads		8	
familion	40	8	
Iernando		********	
Hitsborough			
Iolmes	6,507	15,70	
ackson efferson afayette ake		2	
efferson			
ake 66 60 eee 60 160 een 60 1 evy 61 sherty 61 shert 61 s			
10	*********	*********	
### ### ### ### ### ### ### ### ### ##	100	20	
Aberty	- 11,108	23,55	
Aberty	6,110	6,30	
fadison fanatee	1	5,00	
Inaltee 199 Inaltee 111 Inaltee 111 Inaltee 111 Inaltee			
Intion	50,472	57.00	
Assan	740	1,15	
France 8 Jaccola 2 Salm Beach 831 Pasco 2 Incilas 1 Olk 13 Putnam 3 Sapta Rosa 3 Seminole 56 St. Johns 1 St. Lucie 7 Snmler 1 Gaylor 1 Volusla 4 Vakuila Valton	2,208	2,94	
Palm Beach 831 Pasco 2 Pineillas 2 Polk 13 Putnam 3 Sapta Rosa 36 Seminole 56 St. Lucie 1 Shamler 1 Suwannee 7 Faylor 7 Volusla 4 Wakulla Walton	1.850	3,60	
Palm Beach 831 Pasco 2 Pineillas 2 Polk 13 Putnam 3 Sapta Rosa 36 Seminole 56 St. Lucie 1 Shamler 1 Suwannee 7 Faylor 7 Volusla 4 Wakulla Walton	1 500	1 75	
Pinellas	208,833	386,54	
Polk	350	67	
Putnam Santa Rosa	1,628	3,15	
Santa Rosa			
Seminole			
St. Johns 1 St. Lucie 7 Snmler Symmer Symmer Symmer Volusia 4 Vakulia Valton	16,156	17,73	
Snmler uwannee taylor Volusia Vakuila Valton	3		
Snmler iowannee Caylor Volusia Vakulla Valton	226	53	
Paylor Folusia 4 Vakulla Valton			
Volusia 4 Vakulla			
Vakulla	360	75	
Valton	1	1	
		*	
Vaahington			
Totals 1,016	358,737	\$ 596,33	

Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

(IOTT) INTO	CUCUMBERS		
COUNTIES	Acres	Crates	Value
lachus	307	38,250	\$ 78.70
aker			
ay		95	
revard	1	27	
roward-	80	35 27 9,880	15,82
alboun	3	875	
Itrus Pay	3		1,18
olumbia			
ade	4	780 93,870	87
eSoto	+ 75	93,870	103,92
uval scambia	8 3	4.735 270	4.93
Tagler	ы	210	14
ranklin	1	80	16
adsden			
Iamilton			
Illisborongh	118	310 17,579	99.77
lolmes	5	70	29,7
nekson	[
efferson	\		<u>-</u>
afayette	11	2,719	5,18
æe	174	1.410	2,20
eon	1	5	
evy	1,129	85,667	38,50
dberty			
fanatee	97	15,386 12,927	- 26.61 16.8
farlon	[84]	12,027	16,8
Ionroe			
kaloosa			
keechobeb			
range	264	97,818	146,0
sceola	65	11.845	21,2
28CO	2	159	3
inellas	2	1,230	2'
olk	11	1,230	1.73
utnam	9	60	1.
eminole .	23	4,133	5.80
t Johns	1	10	
Sumter	2	141	
nwannee	1	40	
'avide '			
olusia Vakulla	4	500	6:
Vakulla . '. •			
Vashington			
Totals	2,497	350.516	\$ 497.61

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18. Continued.

CONTRACTO		ROMAINE	
COUNTIES	Acres	Crates	. Value
lachua			\$,
Saker			
Say			
Brevard	4)		
Broward	2	100	100
lalhoun			
lav			
Clay Columbia			
Dade			
DeSoto			
Puyal			
Escambia	,		******
ranklin			
ladsden			
lamilton			
Iernando			
Hilisborough		238	
Iolmes			
efferson			
afayette			
nke			
ес			
eon			
Liberty			
Madison	2		**********
Innatee		330	204
farion			
Monroe			
Okaloosa			
Okeechobee			
Orange	. 6	2,532	3,07
Osceola			
BSCO			
Pineliaa			
Polk	1	40	4
Putnam			
Seminole	16	10,700	0.866
st. Johns			
St. Lucie			
Sumter		111111111111111111111111111111111111111	
Suwannee			
Tolusia			
Wakulla			
Walton			
Washington	* * * * * * * * * * * * * * * * * * * *	<i></i>	
			1
Totals	30	13,940	3 7.65

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1017-18:

Baker		WA	ATERMELON	s
Alachua		A GPAG	Carlond	Veluo
Baker				
Bay		341	105	\$ 13,950
Bradford				280
Broward	Bradford			1,965
Caltoun 57 30 34 3. Citrus 30 14 4. 4. 22 1. 22 1. 22 1. 22 1. 22 1. 22 1. 22 1. 22 1. 22 1. 22 1. 22 2. 3. 24 2. 2. 3. 38 2. 2. 2. 3. 3. 2. 2. 2. 3. 3. 2. 2. 2. 3. 3. 2. 2. 2. 3. 3. 2. 2. 2. 3. 3. 2. 4. 2. 2. 3. 3. 2. 4. 2. 2. 4. 2. 2. 3. 3. 2. 4. 2. 2. 4. 2. 2. 4. 3. 2. 4. 2. 3. 4. 3. 2. 4. 3. 3. 2. 4. 3.			1	125
Columbia 377 157 5 5 5 5 5 5 5 5 5		5.7		3,000
Dade		30		4,760
Dade		3771		1.785 5,190
Dinval 33 22 3 3 3 3 22 3 3	Dade	13 1	1	700
Secumbia 30 24 24 24 24 24 24 24 2				98,935 3,285
Flagler				2,525
Gadsden Ilamilton Ilamil	Flagler	12		590
Hamilton Hernando 200 26 8			30	1,200
Millisborough				
Holmes				8,525
Jackson			211	71,895 2,593
Lafayette			102	8,250
Tanke				2,850
Lee				200 60,284
Leon				15,905
Liberty Madison 16 7	Leon	436		9,920
Madison			89	16,493
Manatee		16	7	800
Monroe	Manatee	72	20	5,455
Nassau			241]	74,675 270
Okalonsa 5 1 Okecchobee 5 1 Orange 448 137 21 Osceola 12 6 7 4 1 Palm Beach 7 7 4 1 1 1 1 1 1 1 1 1 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 3 1 <td></td> <td></td> <td></td> <td>712</td>				712
Osceola 12 6 Palm Beach 7 4 1 Pasco 50 14 1 Pincilas 46 34 3 Polk 165 47 16 Putnam 44 27 /4 Santa Rosa 57 22 3 Seminole 8 4 1 23 1 St. John 11 23 1 2 * * St. Lucle 76 27 2 * * * 1 1 23 1 * * * * 1 23 1 * <td< td=""><td>Obalanca</td><td></td><td> <u>.</u> </td><td></td></td<>	Obalanca		<u>.</u>	
Osceola 12 6 Palm Beach 7 4 1 Pasco 50 14 1 Pincilas 46 34 3 Polk 165 47 16 Putnam 44 27 /4 Santa Rosa 57 22 3 Seminole 8 4 1 23 1 St. John 11 23 1 2 * * St. Lucle 76 27 2 * * * 1 1 23 1 * * * * 1 23 1 * <td< td=""><td>Okecchobee</td><td>448</td><td></td><td>400 21,640</td></td<>	Okecchobee	448		400 21,640
Pasco Sil		12		490
Pincilas				- 1,275 1,980
Polk 165 47 16 Putnam 44 27 /4 Seata Ross 57 22 3 Seminole 8 4 1 St. John 11 23 1 St. John 76 27 2 *Sumter 340 110 14 Taylor 145 20 3 Volusia 267 72 18 Wakulla 12 7 Walton 1 7				1,980 3,485
Santa Rosa 57 22 3 Seminole 8 4 1 St. John 11 23 1 St. Lucie 76 27 2 *Sumter 340 110 14 Taylor 145 20 3 Volusta 267 72 18 Wakulla 12 7 Walton 7 14 12 7	Polk	165	47	16,560
Seminole			27	/4,415 3,365
St. Joha 11 23 1				1 280
*Sumter Suwannee 340 110 14 Taylor 145 20 3 Volusta 267 72 18 Wakulla 12 7 Walton	St. John	ii	23	1,870
Shwannee		76	27	2,664
Taylor 145 20 3 Volusta 267 72 18 Wakulla 12 7 Walton			119	14.830
Wakulla 12 T	Taylor	145	201	3,000
Walton		267		18,820
			- '	580
			. 17	925
Totals	Totals	7,558	2,773	\$ 494,636

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

	CANTALOUPES			
COUNTIES	Acres	Crates	Value	
	1			
lachua			*	
laker		45	66	
Bradford		***	0,	
reverd				
roward				
alboun				
ltrus				
May	1	50	10	
olumbia		[
ade .\	3	230	300	
DeSoto	3	200	20 42	
ouvai	4	204		
Cacambia	1	30	7. 6.	
ranklin	1	750	2,25	
adsden	- 2	1470		
Iamilton				
Iernando				
Iillsborongh	18	2,808	8,44	
folmes				
ackson				
efferson				
afayette				
ake			<u>-</u>	
ee, a carrenter contract of	3	97	ñ	
evy	1	57	0.	
		* * * * * * * * * * * * * * * * * * * *		
fiberty				
anatee	1	30	5	
derion	407	18,292	20.85	
ionroe	20	905	80	
Vassau				
Okaloosa		[
Okeechobee				
range	1	50	10	
secola				
alm Beach				
Pasco	1	55	10	
Polk	4	100	20	
Putnam				
anta Rosa	5	210	25	
Seminole				
t. Johns				
St. Laicle	13	296	47	
Sumter				
uwannee				
Caylor		470	63	
Volusia Vakulla	2	470	U3	
Wakulla				
Washington				
TRBILLIE LOUI				

[&]quot;Not Reported. "

* TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

COUNTIES	E	NGLISH PEA	s •
	Acres	Crates	Value
Alachua	4	160	\$ 276
Baker	***********	**********	*********
Bay	1	56	41
Brevard			
Broward	40	6,000	10,150
alboun			
Ijturs	*********		* * * * * * * * * * * * * * * * * * * *
olumbia	3	110	/ 116
Dade		12,554	
DeSoto	119	12,554	19,26
Duva!			
Flagler	1		
Franklin	1	100	300
Gadsden	**********		
Iamilton Iernando			*********
Hillsborough	10	903	2,709
Holmes			
Jackson			
lefferson			
Lafayette		113	18
Lee		110	
Leon	i	20	
Levy	10	500	
Liberly			
Manatee	E	22	6
Marlon	20	22 550	1,29
Monroe			
Nassau			
Okeechobee	6	352	80
Orange	4	110	280
Osceola	87	24,669	32,676
Paim Beach	°1	24,008	92,011
Pinellas	1 5	85	163
Polk	5]	205	
Putnam	8	105	19
Santa Rosa	1 1	103	
St. Johns			
St. Lucle	[9]	464	1,32
Sumter			
Suwannee			
Volusia	7	470	1.02
Wakulla			
Wallon			
m-t-1	0411	47 820	(e 7e.00
Total	341	47,558	\$ 72,08

^{*}Not reported.

TABLE NO. 2-VEGETABLES AND GARDEN PRODUCTS, 1917-18.

Continued.

Acres 1 15 3 1 1 1 10	645 190 125 150	Value \$
1 15 3 1 1	30 2,180 645 190 125 150	1,000 66 1,386 766 100
1 15 3 1 1 1	2,180 645 190 125 150	1,380 760 100 120
1 15 3 1 1 1	2,180 645 190 125 150	1,386 766 106 126
15 3 1 1 1	2,180 645 190 125 150	1,386 766 106 126
15 3 1 1 1	2,180 645 190 125 150	1,386 766 106 126
3 1 1 1 1	645 190 125 150	76 10 12
1 1 , 1	190 125 150	10 12
1	125 150	12
, ī	150	45
10		
10		
10		
	915	1.71
		4,14
]	
0.4	1 000	2.05
	1,020	1 3,25
1	30	4
15	750	750
	[
93	5.610	7.43
19	2,710	2,81
5	40	6
		3
9	948	33
	, 010	
209	45,483	72,60 58
		6
	23	10.00
		10,20
7	204	25
9	1 145	1.33
	1	1,00
380	73,571	\$ 105,39
	23 19 208 6 1 208 6 1	23 5,619 19 2,710 5 40 1 30 2 348 209 45,483 6 840 1 60 1 23 23 8,950 1 10 7 204

^{*}Not reported.

TABLE NO. 2—VEGETABLES AND GARDEN PRODUCTS, 1917-18.

	BE.	ANS (String)	
COUNTIES	Acres	Crates	Value
	ĺ,		
Machua Saker	147]	4.761 \$	21,77
Bay	0	518	429
Bradford	19	1.065	1,34
Brevard	1,811	$\frac{1.181}{317,220}$	2,160 527,653
Calhoun	1,011	5	721,00
iteus	.1	94	13
Columbia	15	. 427	80
Dade	227	34,354	54,36
DeSoto	227 237	172.485	\pm 189,50
Duval	18	1,528 50	1.88
Flagler		90	43
Franklin	1	300	90
Gadsden	6	500	50
Hamilton	6	200	/ 25
Hillsborough	370	36,778	95,58
Holmes			
Inckson Jefferson			
Afayette	10	1,927	2.98
Sake	78	5,969	2,98 8,70
Lee	. 11	840	1,55
Leon Levy	50	5,000	4,00
Liberty			
Madison			
Mapatee	1,580	5.731 112.020	8.17 114,14
Monroe			
Nassau	1]	90]	19
Okecchobee	152	15,212	16,09
Orange	22	1.842	2,55
Osceola			
Palm Beach	1,828	540,032 3,317	717,43
Pinelias	13	235	1,08
Polk	242	21.842	30.44
Puinam Santa Rosa	185	0,580*	14,93
Seminole	74	14,360	17,25
St. Johns	. 1	28	- 7
St. Lucie	672	49,286	1 91,48
Snwannee	11	51	
Taylor			
Volusia	25	2,430	3,50
Walton			
Washington			
Totals	8,006	1,360,1361\$	1,933,57

^{*}Not reported.

TABLE NO. 2—VEGETABLES AND GARDEN PRODUCTS, 1917-18. Continued.

COUNTIES	LIMA BEANS		
	Acres	Crates	Value
Machua			<u>;</u> ≮
Baker			
Bradford			10
Bradford	104	313	563
Broward	44	7.080	9,515
Calhoun			
litrus	1	7	- 64
Clay			
Dade	6	100	300
DeSoto	6 14	1,400	1,960
Duval	5	129	371
Secambia	*********	********	********
Franklin			
Gadsden			
Hamilion		*********	
Hernando	83	3,019	4,578
Hillsborough	00	0,010	T.010
ackson			
Feerson			
afayette	2	191	38.
ake			
Leon	**********		
Levy	5	100	150
Liberty			
Madison			
Manatee		10	20
darien			
Sassan			
Okaloosa			
Okeechobee	16 1	797 20	1,800
Orange		20	04
Palm Beach	20	4,650	7,450
Pasco	11		700
Pinelias	3	110	16
Polk	_ 0	110	1 10:
Sania Rosa			
Seminole	8	1,574	3,010
st. Johns			
St. Lucie	2	14	3
Sumter			
Taylor		·	
∀ิกโบซโล	2	220	270
Wairulta	*********		*********
Washington			
Totals	329	20,079	\$ 36,900
	320	20,079	

^{*}Not reported.

TABLE NO. 3-FRUIT PRODUCTS.

COUNTIES		ORANGES	
COUNTED	Bear- ing Trees	Non- Bearing Trees	Trees in Nursery Form
Alachna	25,3831.		
Baker	20,000		
Bay	106	720	
Bradford	290,643	102 015	100.00
Broward	7.552	720 482 123,915 5,758	169,625
Calbona	1,678		
Citrus	7.610 1.056	1,552 1,353	
Columbia	909	52	KO
Dade	13,720 442,740 18,914	. 16,133 290,145 1,450	5,800 173,482
DeSoto	18 914	290,145	173,482 243
Escambia	7181	2,5971	2,700
Frankliu	1,172 1,285	128	2,706
Gadsden	1,285	1,283	
Hamilton			
Hernando	18,040 268,009	3,285	11,800 121,429
Hillsborough	268,0091	3,285 272,963 79	121,429
Jackson		10	
Jefferson			
Lafayette	591 194,179	1,072 114,549	87
Lee	156.695		
Leon	27	31	43,203
Liberty	1,395	337	
Madlson	+ 139	100	
Manatee	170,729	76,450	115,790
Marion	91,597	45,121	61,408 65
Monroe Nassau	6	- 45	
Okaloosa	24		
Okeechobee	4,928 430,528	1,197 310,403	
Osceola	45,677	13,627	
Paim Beach	49,925	70.443	10.580
Pinellas	53.036	67.185 73,910	35,625 31,300
Polk	141,276 309,519	583,491	228,387
Putpam	224,376	21,805	36,510
Santa Roso	2,204 89,936	661 21.636	
St. Johns	6,870 81,658	1,312	21,130
St. Lucle	81,658	115,090	172,246
Samter	290		
Taylor	9員	44	
Volusia	329,850	148[560]	53,800
Walton	8	19	
Washington	8	22	
Total	3,567,072	2,452,426	1,719,063

^{*}Not reported.

•	ORA	NGES-Continu	ieđ
COUNTIES .	ţ		
•	Value of All Trees	Crates	Value
Machua		33,463 \$	70,42
kiachua saker say sradford srevard sreward sliboun iitrua Columbia bade besoto buval becambia 'lagier		154 148 349,025 15,050 1,923 9,750 896	24
radford	1,185	148	29
Srevard	292,033	349,025	711,95
Calbonn	5,755	1,923	3,84
itrue	4,956	9,750	17,00 2,18
May	2,172	896 214	2,18 53
Oade	75,430	19,346	33,98
DeSoto	2,707,032	19,346 969,238	1,788.38
Juval	4,580 559	9,861	44,83
lagler	4.082	524 1,790	1,21 3,86
lagler		8,855	DA 48.
Frankin Fadsden Hamiliton Hernando Hillsborough Jolmes ackson efferson			
Iernando	53,255	23,787	29,20
Hillsborough	724,957	632,488	1,241,86
formes	103	2	
efferson			
afayette	1,265	468	02
atte	268.798	75.002	151.43
eon	31	23	4
ackson (efferson ,sfayette ,slee ,ee ,eon ,ery ,liberty ladison	6.267	5,750	11,64
Andlson	1,108	on	
fanatee	165,480	169,132	268 71
larlon	120,239	151,576	232,66
donroe		11	31
Okaloosa	193	8	1
keechobee	51, 660 68,500	8.524	16,91
Orange	1.446.580	670,303 159,136	1,186,36
Palm Beach	158,620	58,291 103,281	117,22
asco	182,398	103,281 238,040	117,22 192,40 485,26
'ineilaa'	14,375	799,457	1 783 08
Day derry as man	1	44,579	281,58 63 97,52 25,14 209,10
eminole	2,794	144	63
t Johns	820,261 1,680	156,262 12,570	25.14
St. Lecie	450,056	83,697	209,10
Sumter	7-05		
uwannee aylor olusia	101 93 125,500 83	46 194 815	4
olusia	125,500		200,07
Vakulia	83	14	4
Vakulla Valton Vashington	222	4	·····i
			0.000
Total	2,893,859	. 5,177,081	9,899,14

^{*}Not reported.

¹⁸⁻Com.Agr.

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TABLE NO. 3—FRUIT PRODUCTS.

COUNTIES		LEMONS	
	Bear- ing Trees	Non- Bearing Trees	Trees in Nursery Form
Machun			
Saker		20	
lay		20	
revard	28	430	
roward	2,136		
alhoun			
itrus		3	1
day			
olumbia		654	
ade	70	5,010	8,20
eSoto	441 137	157	. 0,20
scambia	101	191	
Tagler			
ranklin	219	107	
adaden			
Inmilton			
	11,277	676	20 ac
illsborough	11,277		59,18
lolmes			
ackson			
afayette	4	15	A
ake		1,014	/ 40
ee	38	41	47
eonevy			
evy		1	
iberty			
lanatee	103	1,016	9.51
Iarlon			
Ionroe	615	127	
assan			
kaloosa			
keechobee	1	- 0	
renge	*******		
alm Beach	1,143	1.234	2,80
1800	15 25 32 12	1,234 2,115 2,115	18
inellas	25	2,115	18
Inelias	32	5	
olk	12	312	836,55
otnam			
anta Ross		9	
t. Johns			
t. Lucle	824	1,500	15.68
ackaon			
uwannee			
aylor			
olusia		*********	
Valton			
Vashington			
	17,098		

Not reported.

COUNTIES	I.EMONS—Continued		
	Value of All Trees	Crates	Value
lachua			4
aker			
ay			
radford			
revard	1,030 27,235	9 000	200
sroward	27,235	2,386	7,0
itrus .			
ny			
olumbia			
ade	333	40	T.
eSoto	12,710	570	8
Duval	731	90	4
Scambla		[
lagler			
ranklin		557	4,5
adsden			*****
Iernando			
Itlisborough		1,440	5.63
Iolmea		1,110	0,0
ackson			
efferson			
afayette	10	1 51	
ake	200		
et	490	109	25
evy	3		
dberty	n		
[adison			
Ianatee	3,692	91	2.
farlon	3,692	120	
fonroe		120	2:
assau			
kaloosa		2	
keechobee	75	2	1
range		[
sceola	7.450	0.451	7,3:
asco	3 745	2,451 59 18	1,0.
inellas	1 000	59	1
olk	84.916	18	
utnam		[
anta Rosa		[· · · · · · · · · · ·	
eminole	- 4		
t. Johns	3,913		*********
t. Lucie	3,913	1,207	2.16
Sunter			*******
uwannee aytor			
olusia			
Vakulta	******		
Valton			
Vashington1			***
Total	167,495	9,258	29.24

^{*}Not reported.

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		LIMES	
COUNTIES	Trees -	Crates	Value
	1		
Alachija ,	[
Вау			
Bradford			
Brevard ,	217	32	174
Broward	877	454	1,914
Calhonn			
Clav			
Columbia			
Dade/	1,582	2,155	5,542
DeSoto	511	519	529 108
Escambia	0	00	100
Stagler			
Franklin			
adeden uebebaf			
familton			
Hernando	994	1.111	4.159
Hillshorough			
lackson			
ake	5		
ee	1,868	1,535	0,173
eon			
iberty			,
viadison			
danatee	14,237	448	1,500
iarion	41,120	3,653	**********
Mouroe	41,120	3,653	14,824
Nassau			
)keechobee		1 4 1 4 4 4 4 4 4 4 7 7	
Orange			
eceola			
Palm Reach	3,118	4,491	15,634
Pasco	31	2	104
Pinelias		53 5	46
Putnam	-,022		
Santa Rosa			
Seminole			
t. Johns	0.005	4 003	2.447
8t. Lucie	9,025	1,091	2,447
Suwannee			
Paylor			
Volnsla			
Wakulla	******		
Walton		.,,,,,,,,,,,,	
Washington		*********	* * * * * * * * * * * * * * * * * * * *
	1		
Total	75,950	15,582	¥53,100
	12,000	20,002	400,100

^{*}Not reported.

OOTNEEDO	•	GRAPEFRUIT	
COUNTIES.	Bear- lug Trees	Non- Bearing 'Trees	Trees in Nursery Form
Alachua Baker Bay	50	50	
Brevard	32.032	16,006 15,329	2,725 4,500
Calhoun	20 69 10) 15	4
Columbia Dado DeSoto Duyal	. 881,837 68,028 822	155	46
Escambia Viagler Franklin Gadøden	65 298	14 103	
Hamilton	2,201 23,371	1,154 16,866	600 55,768
Holmes , Jackson Jefferson Lafavette	6	9	
Lake		65.8233	119,000 22,957
Levy Liberty Madison Manatee	1 1	74,299	
Marion	3,971 1,143		20
Okaloosa Okeechobee Orange Osceola	3,408	666 71 193	175
Paim Beach	. 12,565 15,591	52,818; 80,917; 878,369	14,973 17,977 87,400 243,763
Putnam	7.180	1.260	
St. Johns St. facie "Sumter Suwannee	. 117,161	156,544	47,585
Taylor	31,895	9,650	16,500
Walton			
Total	1,893,086	1,493,193	667,620

^{*}Not reported.

	GRAP	EFRUIT-Con	tinned
COUNTIES	Value of All Trees	Crates	Value
Alachna		2,125 50	4,300 150
Bay Bradford Brevard Broward Jahoun Cltrus	47,688	36,138 20 120	4.0
Columbia Dade SeSoto Ouval	209,199 172,401 1,778	448,423 423,676 1,666	5,800
Escambia Jagler Franklin Undsden	155	894	293 5,864
Hamilton	8.185 47,168	2,264 56,627	2,849 113,819
ackson efferson afayette	18	7	
.ake .ee	235,407	97,558	32,98: 257,46:
Madison Manatee Marlon Monroe Vassau	189,981 844 1,200	279,885 8,948 1,445	694,82 14,34 4,39
lkaloosa Dkeechobee Irange Jsceola Jsceola Palm Beach Pasco Inellas Polk Utnam	30,103 60,000 159,119 169,720 161,377 18,150	82,819 84,427 284,184 434,127	928,08
Santa Rosa deminole St. Johns St. Lucie	35,337 2,971,507	4,182	54
Sunter inwannee laylor lolueia Vakulla Valson	7,630		21,12
Washington		2,566,608	\$4,770.16

^{*}Not reported. .

l'asco Pluellas 16 Polk . Putnam . Santa Rosa . Seminole . Ct. Johns . St. Lucle	
Baker Bay Bradford Brevard Brevard Broward 200 Calhoun Cltrus Clipy Columbia Dade 2,485 Dade 4,750 Duval 1 Escambia Flagler 7 Frankilo Gadsden Hamilton Hernando Hilisborough 71 Holmes Jackson Jackson Jaferson Lafayette Lake Lee 60 Leon Levy Liberty Madison Manatee Marion Nassan Okaloosa Okaechobee Orange 320 Osceola 1,900 Palm Beach 59,000 Palm Beach 59,000 Palm Beach 59,000 Pasta Rosa Seminole Ct. Johns St. Lucle 3,408 Sumter Suwannee Taylor	ne
Baker Bay Bradford Brevard Brevard Broward 200 Calhoun Cltrus Clipy Columbia Dade 2,485 Dade 4,750 Duval 1 Escambia Flagler 7 Frankilo Gadsden Hamilton Hernando Hilisborough 71 Holmes Jackson Jackson Jaferson Lafayette Lake Lee 60 Leon Levy Liberty Madison Manatee Marion Nassan Okaloosa Okaechobee Orange 320 Osceola 1,900 Palm Beach 59,000 Palm Beach 59,000 Palm Beach 59,000 Pasta Rosa Seminole Ct. Johns St. Lucle 3,408 Sumter Suwannee Taylor	
Bay Bradford Breward 200 Calhoun Catrus Calay Columbia Dade 2,485 DeSoto 4,750 Duval 1 Escambia Flagler Frankilo Gadsden Hamilton Hernando Hillsborough 71 Holmes Jackson Jackson Jackson Lafayette Lake Lee 60 Leon Levy Liberty Madison Manatee Marion Nassan Okachobee Orange Ocaccola 1,000 Palm Beach 59,000 Pa	
Bradford Brevard 200	
Breward 200 Calhoun Cathus Cally Columbia Cally Columbia Cally Columbia Cally Columbia Cally Columbia Cally Ca	
Broward 200	
Calhoun Citrus Citrus Citrus Columbia Dade	400
Clay Columbia Clay Columbia Clay Columbia Clay Columbia Clay Columbia Clay C	
Clay	
Columbia	
Dade 2,485 DeSoto 4,750 Duval 1 Escambia 1 Escam	
DeSoto	4,030
Duva	8,500
Excambla Flagler Prankilo Gadsden Hamilton Hernando Hillisborough Formando Hillisborough Jackson Jackson Jefferson Lafagette Lake Lee Leo Leo Leon Levy Liberty Madlson Manatee Marion Nassan Okachobee Orange Orang	5
Flagler Frankilo Gadsden Gad	
Gedsden Hamilton Hernando Hilisborough Holmes Jackson Jefferson Lafayette Lake Lee Loon Levy Liberty Madison Manatee Marion Nassan Okachobee Orange Orange Oracedia Polk Putnam Santa Rosa Seminole Ct. Johns St. Lucle Suwannee Taylor Volnsla Wakton Washingtoo	
Hamilton Hernando Hernando Hernando Holmes Jackson Jackson Jackson Jefferson Lafayette Lake Eee 60 Leou Leou Leou Leou Leou Madison Manatee Marion Nassan Okachobee Orange 320 Obcecia Consideration Okachobea Obcechobea Obcechobea Consideration Considerati	
Hernando	
Hillsborough	
Hillsborough	
Jackson Jefferson Lafayette Lake Lee Lake Lee Leon Levy Liberty Madlson Manatee Marion Nassan Okaloosa Okeechobee Orange Oracegla Palm Beach 1asco Pinellas Poik Putnam Santa Rosa Seminole Ct. Johns St. Lucle Suwannee Taylor Volnsla Waknila Walton Washingtoo	201
Jackson Jefferson Lafayette Lake Lee	
Lafayette Lake Lee 60 Leon Levy Liberty Madlson Manatee Marion Nassan Okaloosa Okacchobee Orange 320 Osceola 1,000 Palm Beach 59,000 l'asco Phinellas 16 Poik Putnam Santa Rosa Seminole Ct. Johns St. Lucle 3,408 *Sumter Suwannee Taylor Volnsla Wakingtoo	
Lake 60 Lee 60 Leon 60 Leon 60 Levy 60 Liberty 60 Madlson 60 Marion 60 Nassan 60 Okaloosa 60 Okaloosa 60 Okeechobee 320 Orange 320 Orange 320 Orange 59,000 l'asco 10 Poita 10 Poita 10 Poita 10 Poita 3408 Santa Rosa 3408 Sumter 3408 Suwainnee 3408 Taylor Volnsla Waknola Waknola Washingtoo Washingtoo	
Lake Lee	
Leon Levy Liberty Madlson Manatee Marion Nassan Okechobee Orange Osceola Palm Beach Pinellas Polk Putnam Santa Rosa Seminole Ct. Johns St, Lucle Suwannee Taylor Volnsla Waknolla Washingtoo	
Levy Liberty Madison Manatee Marlon Nassan Okaloosa Okeechobee Orange Osceola Palm Beach 1,000 Palm Beach 1asco Pinellas Potk Putnam Santa Rosa Seminole Ct. Johns St. Lucle Suwannee Taylor Volusia Waknila Walton Washingtoo	130
Liberty Madlson Manatee Marion Nessan Okaloosa Okeechobee Orange 320 Osceola 1,000 Palm Beach 59,000 Plasco 100 Plots Polk Putnam Santa Rosa Seminole Ct. Johns St. Lucle 3,408 *Sumter Suwannee Taylor Volnsla Waknila Waknila Washingtoo	
Madlson Manatee Marion Nassan Okaloosa Okeechobee Orange Oraceola Palm Beach Polk Putnam Santa Rosa Seminole Ct. Johns St, Lucle Suwannee Taylor Volnsla Waknola Washingtoo	
Manatee Marion Nassan Okaloosa Okeechobee Orange Osceola 1,000 Palm Beach Palm Beach Polk Putnam Santa Rosa Seminole Ct. Johns St. Lucle Sumter Suwannee Taylor Volusla Waknolla Walton Washingtoo	
Marlon Nassan Okaloosa Okechobee Orange Orange Osceola Palm Beach 1,000 Palm Beach 1,000 Pilaso Pinellas Polk Putnam Santa Rosa Seminole Ct. Johns St. Lucle Suwannee Taylor Volnsla Wakulla Wakulla Walton Washingtoo	
Nassan Okacloosa Okechobee Orange Orange Osceola Palm Beach 1,000 Palm Bea	
Okaloosa 0kaeechobee Okagechobee 320 Osceola 1,000 Palm Beach 59,000 Plasco 10 Plust Putnam Santa Rosa Seminole Ct. Johns 3,408 *Sumter Suwannee Taylor Yolnsla Wakn)la Walton Washingtoo Washingtoo	
Okeechobee 320 Orange 320 Osceola 1,000 Palm Beach 59,000 l'asco 16 Poit Putnam Santa Rosa Seminole Ct. Johns 5t. Lucle *Sumter Suwannee Taylor Volnsla Wakn)la Waknola Washingtoo Washingtoo	
Orange 320 Osceola 1,000 Palm Beach 59,000 Palm Beach 59,000 Plasco Pinellas 10 Polk Putnam Santa Rosa Seminole Et. Johns St. Lucle 3,408 *Sumter Suwannee Taylor Volusia Wakulla Wakulla Walton Washingtoo	
Obsceola 1,000 Palm Beach 59,000 Plasco 9 Pinellas 10 Polk Polta 9 Potnam 8 Santa Rosa 8 Seminole 11 L Johns 9 St. Lucle 9 Sumter 8 Suwannee 7 Taylor Volusla Wakulla Walton Washingtoo	7 400
Palm Beach 59,000 l'asco 10 Polk 10 Putnam 3 Santa Rosa 3 Seminole 2 Ct. Johns 3.408 *Sumter 3 Suwannee Taylor Volnsla Waknija Walton Washingtoo	1,000
l'asco Pinellas Pinellas Potk Putnam Santa Rosa Seminole L't. Johns St. Lucle Sumter Suwannee Taylor Volnsla Wakn)la Walton Washingtoo	2,500
Pinellas 10 Polk Polk Putnam Santa Rosa Seminole Ct. Johns St. Lucle 3,408 *Sumter Suwannee Taylor Volnsla Waknila Walton Washingtoo	92,975
Polk Putnam Santa Rosa Seminole Et. Johns St. Lucle Sumter Suwannee Taylor Volusia Waknija Walton Washingtoo	23
Putnam Santa Rosa Seminole Ct. Johns St. Lucle Sumannee Taylor Volusia Wakn)la Washingtoo	2.5
Santa Rosa Seminole Ct. Johns St. Lucle *Sumter Suwannee Taylor Volnsla Waknila Walton Washingtoo	7.1
Seminole	
Ct. Johns St. Lucle Summer Suwannee Taylor Volnsla Wakn)la Walton Washingtoo	
St. Lucle 3,408 *Sumter Suwannee Taylor Volnsla Waknila Walton Washingtoo	
*Sumter Suwannee Taylor Volusla Wakn)la Walton Washingtoo	5.504
Suwannee Taylor Volnsla Wakn)la Walton Washingtoo	נעטום
Taylor Volusia Waku)ia Wakuion Washingtoo	
Volusia Wakulia Walton Washingtoo	
Wakn)la Walton Washingtoo	
Walton Washington	
Washingtoo	
Total 71,535 1	
TVARIANTE AND	16,170
_	70(244)

^{*}Not reported.

COUNTIES		
4		
	Crates	Value
lachua		
aker		
ау		
radford		*********
revard	4,343	3.96
alhoga	7,070	0,01
Itrus		
lay		
olumbla	. 51	
ade	1,822	2,15
eSoto	25	15
uval		
scambla	F.	1
ranklin	174	12
ndsden		
amilton ,		
(ernando	107	17
Illsborough	2,697	2,75
olmes		
ackson		
ofayette		
ake		
ee	387	56
.eon , ,		
evy		
Sperty		
lanatee	2,677	1.29
farlon	104	69
Ionroe	291	18
assau		
	17	
sceola	7,233	9,67
88CO		
Inellas	84	17
olk	2	
utnam		
anta Rosa		
eminole t. Johns	25	
t. Lucie	35) 4,265)	3.20
Sumter	7,417-7	12.00
uwannee		
aylor		
olusia		
Vakul'a		
Valton		
VashIngton	*********	
	*	_ :
Total	24.447	25,42

[&]quot;Net reported.

281

	MANGOĖS			
· COUNTIES	Trees	Crates	Value	
•	Arces	Cantes		
lachua				
#KCT				
radford				
revard				
roward ,	.) 1,680	344	1,38	
alhoun		**********		
lay				
ofambla				
ade	11,863	2,446 2,256	17,00	
eSoto	746 16	2,256	4,18	
scambla			***************************************	
lagler				
ranklin				
adsden				
amilton				
Illsborough	740	642	1.94	
olmes				
lolmes				
enerson			* * * * * * * * * * * * * * * * * * * *	
effersou				
ake	. [
ee		2,324	39	
eon				
ake				
iberty				
fadlaon				
anatee		983	1,27	
larion		6		
assau				
kaloosa				
keechobee				
range				
sceola		4.344	12,32	
asco				
inellas	. 55	79		
olk		5	11	
utnam				
eminole				
t. JoJhna	. [
t, Lucle		502	1,01	
Sumter				
ayler				
olnsia				
Vaknila				
Vashlegtoe				
	-	1		
	33,428	18,980	43,39	

^{*}Not reported.

TABLE NO. 3-FRUIT PRODUCTS.

	JAPA:	N PERSIMM	ONS
COUNTIES	Trees	Crates	Value
Alachua			
Baker			
Bay	407	809	624
Brevard	156	55	80
Broward	16		10
Colhoun	54	27	32
Clay	207	- 71	135
Columbia	5	5	25 200
Pade DeSoto	69 . 191	377	200 760
	874	1,080	5,036
Duval	3.2	6	. 18
Flagier	129	645	50
Gadeden	120	040	2,580
Hamilton			
Hernando	18	25	65
Hillsborough	- 1,134	1,065	3,181
Jackson			
Jefferson			
Lafayette	193	18: 111:	31
Lee	87	109	- 135 - 301
Leon	5 5 1	10:	4
Levy	2	151	35
Liberty Madison	3	I	3
Manatee	79	29	78
Marlon	[
Мовтое			
Okaloosa			
Okeechobee			
Orange	56	56 10	160
Osceola	195	116	05.
Pasco	129	57	191
Pineilas			
Polk	104	41 158	200
Santa Rosa	285	3	:
Seminole	285	090	313
St. Johns	647	748 247	1,496
St. Lucle	502	231	*141
Sowannee	1		
Taylor Volusia	607	$\frac{4}{1.253}$	2 00
W'alandla		1,253	3.88
Walton			
Walton			
Total	7,702	7,0331	21,418

^{*}Not reported.

1	SUGAR APPLES		
COUNTIES		(
	∼ Crates	Value	
		<u>/</u>	
Alachua			
Baker			
Bay			
Brevard	30	30	
Broward	39		
Calhoun			
Citrus	(
Clay			
Dade	52	254	
DeSoto			
Duval ,	21	100	
Escambla			
Flagler			
Gadsden			
Hernando			
THE HAR AWAY OF	1 25	7:	
Holmes			
JRCX80D			
Lafayette	.]		
Lake			
Leon			
Levy		1111111111111111	
Liberty			
Madison			
Manatee			
Marion .		510	
Monroe Nassau			
Okaloosa			
Okeechobee			
Orange			
Orauge			
Osceola	999	RA	
Pasco			
Pinellas			
I'olk			
Putnam			
Santa Rosa			
St. Johns			
St. Lucie	3		
*Sumter			
Suwannee			
Taylor			
Volusia			
Walton			
Washington	**********		
		1	
Total	547	1,740	
AU(dl	7	4,10	

^{*}Not reported.

	AVOCADO PEARS					
COUNTIES	Trees	Crates	Value			
dachua	*********					
A7		, , . , . ,				
radford	* * * * * * * * * * * * * * * * * * * *					
revard			* * * * * * * * * * * * * * * * * * * *			
roward	11,738	1,278	4,51			
alhoun						
itrus						
lny						
olumbia	17	· · · · · · · · i 7	3			
ade	5,400	12,786	50,29			
eSoto	123	162	48			
huval						
scambla						
lagler	.,					
rankiin						
adaden						
[amilton	p					
crnando						
illaborough	960	1,197	3,51			
neksou						
efferent						
nfayette	5		********			
ake	903	965	3			
(COD	800	270-0	φ.			
CVV .						
lberty						
Indison						
Indison	1,131	184	70			
(arion						
Conroe	764	17				
asaau	[
kaloosa,						
keechobee]					
range						
Palm Beach	10 004	2,660	15.7			
asco	13,221		19,1			
Inellas	907	152	3:			
olk	207 100	105	3			
'ntnam	100					
auta Rosa						
eminole						
t. Johns	8	10				
t. Lucie	4,317	94	5			
Sumter						
nwannee						
aylor						
olusia						
Vakulla		4 - 1 - 4 4 + - +				
Valton			4			
Vashington						
			1			
	38,894	19,531	79,70			

^{*}Not reported.

Bay Bradford Brevard Hroward Calhoun Citrus Clay Columbla Dade DeSoto Dural Escambia Fingler Franklin Franklin Gadsden Hamilton Hernando Hillaborough Hillsborough Hillsborough Hillsborough Loee Lee Lee Lee Lee Lee Lee Lee Leon Levy Liberty Madison Manatee Marion Manatee Marion Monroe Nassau Okaloosa Okeechobee Orange Osceola Paim Beach Pasco Pinellaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucie St. Lucie St. Lucie Summer Snwannee Taylor Volusia	Crates	
Baker Bay Baradford Brevard Hroward Calhoun Citrus Clay Columbia Dade DeSoto Duval Escambia Fingler Franklin Franklin Gadsden Hullaborough Hillisborough Holmes Jackson Jackson Jackson Jackson Jackson Hafayette Lake Leou Levy Liberty Madison Manatee Manatee Manatee Marion Monroe Niessau Okeloosa Okeechobee Ocange Ocacola Palm Beach Pasco Pinellaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucie Sumter Snwannee Taylor Volusia		Value
Bay Bradford Breward Proward Proward Calhoun Citrus Clay Columbia Dade DeSoto Duval Escambia Finagler Franklin Gradsden Hamilton Hernando Hillaborough Hillaborough Hillaborough Hillaborough Lafayette Lake Lee Leon Levy Liberty Manatee Marsion Monroe Nonsau Okaloosa Okeechobee Orange Osceola Pain Beach Pasco Pinellaa Poice Purnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volumia		
Bradford Brevard Hroward Calhoun Citrus Citrus Clay Columbia Dade DeSoto Duval Escambia Fingler Franklin Franklin Gadsden Hamilten Hernando Hillaborough Hillsborough Hillsborough Holmes Jackaon Jefferson Lafayette Lake Lee Leou Levy Liberty Madison Manatee Manate Manatee Manate		
Brevard Broward Cathoun Cathoun Citrus Clay Columbia Dade DeSoto Duval Escambia Flingler Franklin Gadsden Hamilten Hernando Hillaborough Hillsborough Hillsborough Hillsborough Hillsborough Lafayette Lake Lee Leou Lee Leou Levy Liberty Madison Manatee Manatee Manatee Manatee Manatee Manatee Marion Monroe Nassau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pineliaa Polk Putnam Santa Rosa Seminole St. Lucle St. Lucle St. Lucle St. Lucle St. Manatee Sumatnee Sumatnee Sumatnee Sumatnee St. Johns St. Lucle St. Lucle St. Lucle St. Lucle St. Sumatnee Taylor Volusia		
Proward Calhour Citrus Clay Columbia Dade DeSoto Duval Escambia Franklin Franklin Franklin Franklin Franklin Hernando Hillaborough Hillsborough Hillsborough Hillsborough Hillsborough Levs Jackson Jackson Jackson Leferson Lafayette Lake Lee Leon Levy Liberty Manatee Marsion Monroe Noarsau Okaloosa Okeechobee Orange Oscoola Palm Beach Pasco Pinellaa Pote Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Calhoun- Citrus Citay Colay Colay Colay Colombia Dade DeSoto Duval Escambia Fingler Franklin Gadsden Hamilton Hernando Hillaborough Hillsborough Hillsborough Hillsborough Hillsborough Lafayette Lake Lee Leou Lety Liberty Madison Manatee M		
Citrus Ctay Ctay Columbia Dade DeSoto Duval Escambia Fingter Franklin Gadsden Hamilton Herando Hillaborough Hillaborough Hillaborough Hillaborough Hillaborough Lafayette Lake Lee Leon Leey Ley Liberty Manatee Manatee Manatee Manatee Manatee Marion Monroe Norse Marion Monroe Norse Orange Osceola Palm Beach Pasco Pinellaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia	48	120
Clay Columbia Columbia Dade DeSoto Duyal Escambia Fingler Franklin Franklin Franklin Franklin Herando Hillaborough Hillaborough Hillaborough Hillaborough Holmes Jackson Jefferson Lafayette Laske Lee Lee Lev Lev Les Leon Levy Liberty Madison Manatee Marion Monroe Nassau Okaloosa Okaloosa Okaechobee Ocrange Osceola Palm Beach Pasco Pinelka Putnam Santa Rosa Seminole St. Lucle St. Lucle St. Lucle St. Lucle St. Sumter Snwannee Taylor Volusia		
Columbia Dade Dade DeSoto Duval Escambia Flagler Franklin Franklin Gadsden Hamilton Herando Hillaborough Hillsborough Hillsborough Holmes Jackson Jackson Lafayette Lake Lee Leou Lee Leou Lety Liberty Madison Manatee Manate		
Dade DeSoto Duval Escambia Escambia Escambia Franklin Franklin Franklin Franklin Franklin Franklin Hernando Hamilton Hernando Hillaborough Hillaborough Hillaborough Hillaborough Holmes Jackaon Jefferson Lafayette Lake Lee Leou Levy Liberty Madison Manatee Marion Manatee Marion Monroe Nasau Okaloosa Okeechobee Orange Oscoin Palm Beach Pasco Pinellaa Potram Santa Rosa Seminoie St. Lucle St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volunia		
DeSoto Duval Escambia Fingler Franklin Franklin Gadsden Hamilten Hernando Hillaborough Hillaborough Hillaborough Holmes Jackaon Jefferson Lafayette Lake Lee Leou Levy Liberty Madison Manatee	447	040
Daval Escambia Flagler Franklin Franklin Gadsden Hamilton Heraando Hillaborough Hillsborough Holmes Jackson Jackson Jackson Lafayette Lake Lee Leon Lee Leon Leey Liberty Madison Manatee Mana	771	*35
Escambia Fingler Franklin Heroando Hillaborough Hillsborough Hillsborough Hillsborough Hillsborough Hillsborough Hillsborough Hillsborough Hillsborough Halerson Lafagette Lake Lee Lee Leou Levy Likerty Madison Malison Manatee Marion Manatee Marion Monroe Nassau Okaloosa Okaechoee Orange Osceola Palm Beach Pasco Pinelka Putnam Santa Rosa Seminole St. Juche St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor		
Fingler Franklin Franklin Gadsden Hamilten Hernando Hillaborough Hillaborough Holmes Jackaon Jefferson Lafayette Lee Leou Levy Liberty Madison Manatee		
Franklin Franklin Gadsden Hamilten Hernando Hillaborough Levs Lec Lec Leon Levy Liberty Madison Manatee Marion Manatee Marion Monroe Noasau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Potram Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Gadsden Hamilton Hernando Hillaborough Hillaborough Holmes Jackson Jackson Jackson Lafayette Lake Lee Leou Lee Leou Liberty Liberty Madison Manatee Manatee Manatee Manatee Manatee Manatee Marion Monroe Nassau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Gadsden Hamilton Hernando Hillaborough Hillaborough Hillaborough Holmes Jackson Jackson Jackson Lafayette Lake Lee Leou Lee Leou Liee Levy Liberty Madison Manatee Man	194	5.90
Hamilton Hernando Hillaborough Hillaborough Hillaborough Hillaborough Holmes Jackaon Jefferson Lafagette Lake Lee Lee Leou Levy Liberty Madison Manatee Manatee Marion Monroe Nassau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Pottoam Santa Rosa Seminole St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia	204	00=
Hernando Hillaborough Hillaborough Hillaborough Holmes Jackaon Jefferson Lafayette Lake Lee Leou Levy Liberty Madison Manatee Grange Osceola Palm Beach Pasco Prinellaa Polk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Hillaborough Hillaborough Hillaborough Hillaborough Holmes Jackson Jackson Jackson Jackson Lafayette Lake Lee Leon Lee Leon Levy Liberty Madison Manatee Marion Manatee Marion Monroe Nassau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison Manatee Manatee Manatee Manatee Manatee Manatee Marion Monroe Nassau Okaloosa Okaechobee Orange Osceola Palm Beach Pasco Pinellaa l'olk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Manatee Sumter Snwannee Taylor Volusia	53	157
Holmes Jackson Jackson Jackson Lafayette Liske Liee Leou Lee Leou Liey Liberty Mindison Manatee Manatee Manatee Marion Monroe Marion Monroe Consider Office Office Orange Osceola Palm Beach Pasco Pinellaa Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia	785	1.401
Jackson Jefferson Jefferson Jefferson Jefferson Jefferson Jefferson Jefferson Lafayette Lake Lee Lee Leou Levy Jefferson Melson Manatee Marion Monroe Manatee Marion Monroe Monroe Mossau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Potto Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia	100	2,202
Jefferson Lafayette Lake Lee Lee Leou Levy Liberty Madison Manatee Manatee Manatee Manaton Monroe Nassau Okaelosa Okaelosa Okaechobee Orange Osceola Paim Beach Pasco Pinellaa I'olk Putnam Santa Rosa Seminole St. Lucle St. Lucle St. Lucle St. Manatee Sumter Sinwannee Taylor Volusia		
Lafayette Lake Lake Lee Leon Levy Liberty Madison Manatee Manatee Manatee Marion Monroe Nassau Okaloosa Okeechobee Oorange Oscola Palm Beach Pasco Pinellaa Putnam Santa Rosa Seminole St. Lucle St. Lucle St. Lucle Snwannee Taylor Volusia		
Lake Lee Leo Leon Levy Liberty Madlson Manatee Marion Marion Marion Morroe Nassau Okaloosa Okaechobee Orange Osceola Paim Beach Pasco Pinellaa Polk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Lucle St. Sumter Snwannee Taylor Volusia		
Lee Leou Leou Levy Liberty Madison Manatee Manatee Manatee Manatee Marion Monroe Monroe Mossau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Leon Levy Levy Liberty Madlson Manatee Manatee Marion Marion Monroe Nossau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Potk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia	86	240
Levy Liberty Madison Manatee Manatee Marion Marion Monroe Nassau Okaloosa Okeechobee Orange Osceola Paim Beach Pasco Pineliaa l'oik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Liberty Madison Manatee Manatee Manatee Marion Marion Monroe Nonsau Okeloosa Okeechobee Orange Osceola Paim Beach Pasco Pinellaa Pulvam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Lucle Snwannee Taylor Volusia		
Madison Manatee Marion Manatee Marion Monroe Monroe Nassau Okaeloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Polk Putnam Santa Rosa Seminole St. Lucle St. Lucle St. Lucle St. Sumanee Taylor Volusia		
Manatee Marion Marion Monroe Nassau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Polk Putnam santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Sumter Snwannee Taylor Volusia		
Marion Marion Marion Monroe Nassau ()kaloosa (
Marion Monroe Monroe Nassau Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pinellaa Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Symanee Taylor Volusia	758	773
Monroe Nassau Okaloosa Okaechobee Orange Osceola Palm Beach Pasco Pinellaa Polk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Sunter Snwannee Taylor Volusia		
Nassau Okalosa Okaechobee Orange Osceola Paim Beach Pasco Pineliaa l'oik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Nasnaee Taylor Volusia	18	30
Okaloosa Okaechobee Orange Osceola Palm Beach Pasco Pinellaa Polk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Sumter Snwannee Taylor Volusia	289	697
Okeechobee Orange Osceola Palm Beach Pasco Pineliaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Sylvanie Sylvanie Sylvanie Sylvanie Sylvanie Sylvanie Sylvanie		
Orange Oscaela Palm Beach Pasco Pinellaa Pinellaa Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Taylor Snwannee Taylor Volusia		
Osceola Palm Beach Pasco Pinellaa Polk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Tsumter Snwannee Taylor Volusia		
Palm Beach Pasco Pineliaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Marer Snwannee Taylor Volusia		
Pasco Pinellaa Pinellaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Mare Sumter Snwannee Taylor Volusia	268	861
Pinellaa Poik Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Taylor Volusia	20	60
Polk Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle St. Market Snwannee Taylor Volusia	_0	0.0
Putnam Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
Santa Rosa Seminole St. Johns St. Lucle St. Lucle St. Lucle Snwannee Taylor Volusia		
Seminole St. Johns St. Lucle St. Lucle St. Lucle Sunter Snwannee Taylor Volusia		
St. Johns St. Lucle St. Lucle St. Lucle Sumter Snwannee Taylor Volusia		
St. Lucle St. Lucle St. Lucle Snwanter Snwannee Taylor Volusia		
St. Lucle Sumter Snwannee Taylor Volusia	37	158
*Sumter	1,255	1,737
Snwannee		
Volusia		
Welvelle		
19 CRUIM		*********
Washington		
,		
Total	1,248	2,530

TABLE NO. 3-FRUIT PRODUCTS.

•		GUA	GUAVAS			
COUNTIES		· · · · · · · · · · · · · · · · · · ·				
	1	Crates	Value			
Alachua						
Baker						
Bradford						
Brevard		95	170			
Calboun		1,796	2,322			
Citras			**********			
Clay						
Columbia						
DeSoto		2,276	2,514			
Duval		92	238			
Escambia						
Fingler						
Hamilton						
Hernando						
Holmes						
Jackson			• • • • • • • • • • •			
Lafayette						
Lake						
Lee		5,395	10,823			
Leon Levy						
Liberty			*********			
Madison						
Monroe		50	89			
Nessau Okaloosa		7 * * * * * * * * * * * *	* * * • • • • • • • •			
Okeechobee		276	1,414			
Orange						
Palm Beach		0.490	************			
Pasco		6,489 14	10,072			
Pinelias ,		148	293			
Polk		6 76	15			
Santa Rosa		10	162			
Semipole						
St. Johns		7	15			
*Sumter						
Taylor						
Volusia			* * * * * * * * * * * * * * * * * * * *			
Wakulia		[
Walton						
Powing for a second second		***********				
		1				
Total		19,739	32,671			
•						

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	COCOANUTS				
COUNTIES	Тгеел	Nuts	Value		
lachus		! 	<u> </u>		
aker					
Bay					
Bradford					
roward			ļ <i></i> . .		
Broward , V					
Calhouu					
lay					
olumbia					
ade	11,896	10,560	31		
DeSoto	3	30			
puval					
Secambia					
lagler					
ranklin	* * * * * * * * * * * * * * * * * * * *				
adaden					
Iamilton	,				
Hernaudo					
Hillaborough					
iolmes			-1		
ackson					
efferson			**********		
ake					
400	88	1,800	~ 80		
200D					
evy					
lberty					
ladisou					
fanatee					
Ionroe	1,218	9,270	28		
assau					
kaloosa					
keechobee					
range		********			
alm Beach	11,462	48,720	3.22		
asco					
inellas					
olic					
utnam	**********				
auta Rosa					
t. Johns					
t. Lucie	1,093	1,368	21		
Sumter					
nwannee					
aylor					
olusia Vatrulia					

	A= ===!	ma can			
Total	25,760	71,688	4,84		

^{*}Not reported

TABLE NO. 2—FRUIT PRODUCTS.

	STRAWBERRIES			
COUNTIES	Acres	Quarts	Value	
lachua				
Baker				
Radford	107	100 366,707	37,363	
Brevard	i	300	76	
rowerd	4	28,500	7,100	
Calhoun Mitrus Clay		*********		
Play	3	2,220	438	
Columbia	[<u>.</u> [
Pade	8	18,000	6,750	
DeSoto	10	7,560 1,150	1,898 3,150	
Sscambla	11	400	50	
lagler	3	1,100	273	
ranklin				
familton				
Ternando		872,906		
Hillsberough	310	872,996	852,32	
ackson				
efferson				
Rfayette	[
æke	2	350 600	90 150	
leon	1 1	200	100	
FVV				
Aberty				
Manatee	12	15,000	3.28	
Marlon			*******	
Mentoe		300		
Nassau	[*]	300	3	
Okeechobee				
Orange	12	54,470	4,20	
Osceola	. 3	7,400 1,575	1,80 1,16	
Pasco	ŷ	11.775	1.23	
Pinelias	. 8	8,760		
Polk	213		87,89	
Putnam	21128	2,850	50	
Seminole	2	100 2.022	42	
St. Johns	8	17,300	2.58	
St. Lucle	, 7		2,12	
Suwannee	2	600	12	
Faylor	[
Volusia	80	43,150	14,89	
Walton ,				
Washington			**********	
Total	874	1,803,389	532,289	

^{*}Not reported

TABLE NO. 3-FRUIT PRODUCTS.

401 MPIER		PECANS					
COUNTIES	Bearing	Non- Bear- lng	Value of All Trees	Bush- els	Value"		
Alachua . ,		1,465	2,400	3,158	20,560		
Baker	4,347	344 5,691 23	19,482 1,574	1,924 7	21,333 50		
Broward	188	11 1,122 427	175] 4,915] 2,558	259 32	1,036		
Clay	. 497 2,697	834 4,378	1,470 11,717	1,800	2,068 15,246		
DeSote	.) 98 .) 7,245	98 9,200 27,766	24,425 20,889	106 4,201 963	210 40,208 9,528		
Flagler Frank.ln Gadsden	. 118	288 106	520	302) 835	1,010 1,510 3,480		
Hamilton	. 982 235	1,586 1,134	2,224 215	132 48	6,137 56.		
Hillshorough	. 170 10.335	7,077 763 - 29,297	536 1,134 104,270	3,376 154 2,202	10,580 1,000 22,020		
Jefferson Lafayette Lake	. 922 . 151	958 340	1,896 978	351 70	1,50% 356		
Lee Leon Levy	5,789	84,123 1,535	196,633 20,259	4,820 2,358	23,925 9,88		
Liberty	. 285	460 21 288	2,135 250 565	329 75	96 90		
Marion Monroe Nassan	205	2,415 3,202	5,324	2.090	10,45		
Okaloosa Okeechobee Orange	2,501	5,246 16 1,411	8,277 2,000 1,500	332	1,22 3,04		
Osceolii		1.675	2,486	57	1,10		
Pinellas	. 115 179	118 314	500	15 48	13 57		
Putnam Santa Rosa Seminole St. Johns	. 2.911	2,774 2,551 80	0,3 0 5 1,345	273 1,070 26	2,80 5,46 20		
St. Lucie	.] 32	77 434	1,018	1,385 43	24,60 27		
Suwannec Taylor Volusia	3,230	690 117 2,478	7,460 189 2,200	222 97 940	1,41 32 4,70		
Wakulla Walton Washlugon	. 57	1,140 3,058 3,862	3,200 5,660 4,701	183 6 621	58 3 4,81		
Totals	96,745	212,848	\$402,588	38,038	\$295,53		

*Not Reported.

19-Com.Agr.

TABLE NO. 3—FRUIT PRODUCTS. /

		PEA	RS	
COUNTIES	Bear- ing Trees	Non- Bearing Trees	" Barrels	Value
Alachua	530		515	538
Baker	40 66 187 27	230 91 111	. 45 22 217 33	80 66 651 110
Broward	33		76	168
Citrus Ciay Colnobia	271 907	47 494 412	514 501 1,332	1,954 1,416 3,447
Dađe	Ô		13	6.
Duvel	2,551 2,439 3	1,319 1,671	2,437 744	12.418 2.580
Franklin	796	330	1,592	6,351
Hamilton Hernando Hillsborongh Holmes	35 176 788 55	4,278	67 268 657 104	174 1,028 2,249
Jackson				
Lafayette	757 751	22 23,545	433 478	63: 1,43
Lee Leon Levy Liberty	4,265 2,895 29	295 70 49	2,269 3,146 52	4,62; 3,59; 16
Madison Manatee Marlon	2,864	647	3,694	6,43
Monroe Nassau Okaloosa	1,001 214	452 179	970 55	2,90 28
Okeechobee Orange Osceola	18 47	65	30 27	9
Palm Beach	1,166 69	519 13	1,035 53	2,87 15
Polk	70 600 204 137		38 565 125	20 98 76
Seminole	199	12 55	125 178	26 58
Sumter	13	7	17	· · · · · · · · · · · · · · · · · · ·
Faylor Volusia Wakulla	I,118	449 94	660 771	1,89 2,31
Walton	104	119	97	
Total	26,523	36,334	24,044	63,96

^{*}Not reported.

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		PEAC	HES	
COUNTIES	Bear- lug Trees	Non- Bearing Trees	Bushels	Value
Alachia	122	154	210	314
Baker	3231 851	182 368	490 85	3,370
Bay	1,307	3,983	946	1,801
Brevard	333	102	86	30
Broward	1,373	18 71	1.432	2.86
Citrua	1.433	944	4.132	2.864 2.690
Clay	6.034	1,640	4,888	7,956
Columbia	3,489	724	2,445	6,06:
DeSoto	320	40	346	976
Duval	3,840	1,692	4.678 3.080	18,488 6,288
Rscambia	7,078	704,096	3,030	460
Frankliu	1,685	991	3,370	13,480
Gadadeu	296 448	54 173	211 583	340 1.139
Hamilton	698	62	1,310	2,474
IIIllaborough	8,081	2,312	0.078	In mai
Holmes	921	500	1,303 152	1,648
Jackson	011	-	102	DEC
Lafayette	2,089	1,370	5,863	2,267
Lake	15,106 12	45,501	10,354	10.575 26
Leon	5,739	742	5.634	10,887
Levy	4,406	/ 1,643	2,720 1,752	5.354
Liberty	1,548	579	1,752	2,968
Manatee	517	315	91	229
Marion	2,174	29,636	2.664	5,463
Monroe	2,436	1,234	3,668	7,257
Okaloosa	3,503	4,542	2,771	3,500
Okeechobee	1,973	2,260	1,034	1,746
Orange	205	2,200	215	324
l'alm Beach	21	3	3	16
Pasco	4,140 595	3,966	3,706 280	7,897 904
Pine:las	2.851	896	2.523	10.429
l'utuam	7.922]	240	3,923	7,029
Santa Rosa	941 390	604 94	458 202	2,227
St. Johns	4,542	1,075(4,600	9,200
St. Luc!e	167	385	43	129
Sumter	61		77	139
Taylor	205,	252	200	734 3,066
Volusia	13,706 2,066	507 507	3,066	3,066 3,066
Walton	- 34		-17	25
Washington	2,781	1,400	2,843	2,851
Total	120,347	820,099	106,263	202,598

^{*}Not reported.

COUNTIES	PI.UM8				
	Best- Ing Trees	Non- Bearing Trees	Bushels	Value	
Alachua Baker Bay Brudford Breverd	34 12 298 35	10 112 · 83 16	22		
Broward Calboan Ultrus Clay Cotumbin Dade	165 542 386 1,542	2 62 63 285 2	1 77 630 166 1,185	154 1,107 375 2,059	
DeSoto Duval Bacambla Flagler Frankin	3,130 832 32 2,418	30 1,242 646 10 2,100	147 4,954 386 7,254	294 13,808 938 65 7,254	
Gadsden Hamilton Heranndo Hillsborough Holmes Jackson	128 134 14428 68 4	47 1.021 51,352 38 20	195 152 4,048 70 55	255 296 10,931 91 55	
Jefferson Lafayette taske Ler Leon Levy Liberty	876 62 2 1,922 1,456 108	564 38 6 55 310	457 29 2 1,126 894 25	681 34 6 1,260 1,771 44	
Madison Manatee Marion Monroe Nassau	276 77 584	2 22 247	688 124	490 183	
Okeechobee Orange Osceola Palm:Beach	10	213 50	379 4	264 8	
Palificeach Place Pinellaa Polk Putnam Santa Rosa Seminole St. Johns St. Lucie	2,725 18 204 130 118 42 1,320	402 9 42 250 203 904 85	2,915 11 152 53 172 92 1,133	4,080 23 424 114 330 108 2,266 29	
*Sumter Suwannee Taylor Volusia Wakalla Walton Washington	79 345 152	58 175	55 367 51	76 910 103	
Totals	25,455	60,172	28,544	52,860	

^{- *}Not reported.

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	GRA	GRAPES		WINES	
COUNTIES	Ponnds	Value	. (Pallons	Value	
lachua	2,490 2,237	119	80	13	
Baker	2,287	234	********		
Bradford	69,490 1,046	1,194			
Broward	760	61			
alhoun	12,280	987			
ltrua	13,608	941			
Nay	24,920	2,002			
olumble	104,900	4,825			
Dade					
Daval	112,218	23,454	130	25	
scambla	9.411	1,334	245	/ 34	
lagler	1,500 78,900	45		, ,	
ranklin	78,900	6,312			
adsden	10,360	150 286	13		
Iamillon	185	35			
Illisborongh	84,602	15,415			
lolmes	6,940	1,032			
ackson ,					
efferson					
afayette	7.780 1.670	1,155 178			
186	1.876	879			
еоп	18,550	371			
evy	18,420	2,066			
Hberty	15,210	571			
fadison	850	46		,	
Iarion	17.675	038	20	*	
fonroe	1,502	150			
Cassan	44,920	2,235			
kaloosa	51,280	1,731			
keechobee	100	3 45			
sceola	410	114			
alm Beach	-1.178	223			
'asco	8,336	813	105	41	
Inellas	430	40 758			
olk		1.488			
anta Rosa	1.917	\$72	12		
eminole	6,353	426			
t. Johns	175,625	17,563	J		
t. Lucle	6,639	890			
Sumter			444170000		
arlor	450	36			
aylor olusia		2,907			
Vakulia	15,700	668	5		
Vastington		1,253			
Totals	1 047,830	96,881	, 610	1.25	

^{*}Not reported.

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TABLE NO. 3.—FRUIT PRODUCTS. () Continued.)

		FI	GS	
COUNTIES	Rearing Trees	Non- Bearing Trees	Cratea	Value
Alachua	10		50)	50 200
Baker Bay Bradford Brevard	9(28) 17 15.	402	33 21 8	- 11 - 10 50
Broward				
Citrus	30 51	10	1111 1491	323 298
Clay	20		571	157
Columbia	96	-15	172	458
DeSoto				
Duval Escambia	3,417 (1,098	114 85,717	5,020 900	20,150 2,451
Fingler	4			40
Franklin	729	470	2,916 12	11.664
Hamilton	42	21	84	. 24 115
Hernando	1,669	220	1.436	4,253
Jackson	1	3	5	23 107
Holmes Jefferson	Ð		93	
La Fayette	69	73	63	154
LakeLee	10	53	12	. 31 11
Leon	2,509		2.043	2,943
Levy	42 45	2	89 204	166 225
Madiaon	707			
Manatee	10 23	1	5 18	40 71
Monroe	6		1	2
Nassau Okaloosa	78 112	35	247	236 139
Okeechobee				
Orange				,
Palm Beach	60		37	111
Pasco	60		200	200
Polk Putuam	25 105	7	13	52
Santa Rosa	10	2 2	264	- 773 58
Seminole	14	436	1,765	27 3,530
St. Johns	1,207 18	600	40	115
*Sumter				
Taylor	. 5		5	
Volusia	1,850	10	2,510	7,530
Walton				
Washington	31		49	53
	18,549	38,305	19,754	58,791

^{*}Not reported.

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TABLE NO. 5.—POULTRY AND PRODUCTS.

	POULTRY-All Ages.				EG	GS
COUNTIES	Common	Barny'd	All Othe	nta j	Sold an	d Used
	No.	Volue Dollars	No.	Value Dollars	Dozen	Value Dollars
Alachua	188,831				277,034	85.288
Baker	38,866	38,852	882	8901	191,163	84,372
Bay Bradford	11,722 87,126	4,368 43,542	705 651	567 625	10,783 259,378	4,002
Brevard	11.205	9,990	300	400	69,203	4,002 77,818 30,367
Broward	22,861	22,861			180,731	91.510
Calhoua	34,642	22,861 17,318 5,471	355		68 931	17,287 1,114 11,630
Cltrus	7,495	5,471	47			1,114
Clay	$\frac{17.330}{94.952}$		1 204	1,304	40,189 281,470	94 860
Columbia Dade	87,017	89,042	1,004	1,004	152,839	
DeSato	79,552	81,161 213 117	634	3,8601	51,R90	42,662
Duval	157,718		18,704	18,428)	542,325	269,861
Duval Escambia	85.724	66,558	1,503	4,277		44,448
Flagler	6,042	10,810	1,503	762	1,010	224 848
Franklin	22,012 40,061	16,509 21,586	5	5		30,476
Hamilton	62,441		137	791	90,273	21,832
Hernando	22.854	19.806	210	465]	58,894	22,580
Hillahoroaugh	185,827 201,902	185,532	85,347	, 45,88T	187,219	851 135
Jackson		01,922		40	460,585	122,014
Jefferson	52,155 39,597	37,978 20,670	160 1.232	1,500	74,599 35,239	
LaFarette	17 451	19 493	3,002	1 764	61 698	25.318
Lee	17,451 27,800	12,423 24,946	743	850	118,551	53.856
Leon	65,845	84,791	2,193	2,280	187,116	60,794
Levy	38,697	[-15,880]	1 078	1,809	99,076	22,573
Liberty	17,180 39,529	6,153 19,980		100	58,182 75,177	8,866
Madison	84,757	10,980 25,554 41 272	75	50	57.373	31,184 25,046
Marion	75,711	41 272	1,266		139,806	
Monroe	720	65	20	125		
Nassau	10,774	5,617 20,868	7,950	8,194	55,800	10,933
Okaloosa	40.285	20,868			159,979	49,583
Okeechobee	4,968 56 364	4,627	509			4,306 155,260
Orange	36,218	48,280 23,759	90			181.328
Palm Beach .	80.416	- 58,621	2.272		68,039	33,822
Pasco ,,,	80,416 46,107	46,107	640	640	230,302	60,843
Pinellas	26,946	26 008	451			
Potk	124,719	103,075 42,340	926 754	2,100	442,568 554,350	166,758
Putnam Santa Rosa	55,435 26,933	17 991	213	240	53,610	
Seminole	18,547		4,705	7,981	11.637	46,909
St. Johns		43,883	465	393	523,060	26,530
St. Johns St. Lucle	29.768	30,306				69,200
*Sumter	05 =00	05.005			TOD 155	22,622
Enwannee				90		3,176
Taylor	86,510		11,073	13.862	401,335	
Wakulla	23,332	11.166	237	13,862 237	116,325	34,342
Walton	88,912	22,042		1	55,381	20,343
Washington	50 888	28,309	100	50	136,221	32,750
Totals	2.825,298	1,976,638	164,895	151,570	8,290,726	3,865.035

^{*}Not reported.

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TABLE NO. 6.—DAIRY PRODUCTS.

	MILE		BET	TER	CHE	ESE
COUNTIES	Soldan	d Used	Sold nu	d Used	Sold at	id Used
	Gallons	Value Dollars	Pounds'	Value Dollars	Pounds	Volue 1tollars
Alachua	1,111,190		163,160	72,949		
Bay	0,475		5 936			
Bradford	30,6001 86,580	34,632	20,090	10.045	:	
Brevard	60,002	71,017	400	2001		
Broward	97.000	43,1901 18,0781	7,450	1,165		
Citrus	47,922 61,573 12,584	41.281	17,964 13,219	-6.7519		
Ciny	12,584	41,281 4,024	1,027	5151		
Columbia	180,840	48,992	63,240	81,620		
Dade	56,811 7,590		695	307		
Duval	1,567,789 419,004	763.366		8231		
Escambla			7.991	3,241		
Flagler	1,650 -368		200 1841	100		
Gadsden	125,085		33,740	13 542		
Hamilton	177,799	67.118	31,175)	[-9.724]		
Hernando	-14.810 $-9.951.178$	$ar{12,050} \ 12,050 1,036,588 $	1,000 293,618		700	210
Holmes	183,553	45,921	51,105	12,628	14	4
Jackson	257,017	[-82.807]	149,245	50,2151		
Jefferson [18,710 19,380		1 564 10.887	644 5 1494		
Lake	92,010	41.428	21.334	10.763		
Lee	207,657 395,188	41,428 95,076	25,269	13.210		
Leon	395,188 25,880	114 599 9,825	166,815 6,995			
Levy	27,765	0.817	0,899 1,840			
Madison	5,000	2,600	4,600	1,8801		
Manalee	258,200			7,539		
Marion	193,775	1	41,731	14,622]		
Nassau	67,525	27,278	6,464	3,247		
Okatoosa]	$egin{array}{ccc} 295,155 \ 17,015 \end{array}$			37,656		
Orange	504.945	1.255.890	55,830	27.845		
Osceoln	791,240	101,872	48.690	25.6231		i
l'aim Beach . l'asco	791,240 205,700 297,484	77,822 99,90 7	$\frac{7.190}{27.350}$	2,695		
l'inelias	197,950	101,980	11.465	5.745		
Polk	450,360	238,874	39,554	92 479		
Putnam	233,300	116,670	54.660	21,864		
Santa Rosa . Seminole	75,070 115,207	27 110 57,074	$\begin{array}{c} 23,685 \\ 10,754 \end{array}$	3.500		
St. Johns	115,207 674,155	222,471	43	23		
St. Lucle	146,909	79,311	21,046	0.066	504	69
*Sumler! Suwapnee	15,418	8,679	265	120		
Taylor	នគត	221	62	31		[
Volusla	885,850	442 025 14,070	8.500	77 68 564		
Windowilla		14.010		2,040	******	
Wakulla	36,530 $130,077$		31.334	10.709		
Wakulla Walton Washington .	130.077	56,515				
Walton Washington .	130.077	56,515	30,556	11,953		

[&]quot;Not repaorted.

207
TABLE NO. 7.—MISCELLANEOUS PRODUCTS.

		HONEY		THES	WAS*
COUNTIES		1	<u> </u>		
	Stands of Bees	Pounds	Value Dollars	Poemis	Value Dollars
Alachua	: 184)	3,758	1,8881		
Baker	112	1,020	725	±(H)	· · · · · · · · · · · · · · · · · · ·
Bny Bradford		520 5,000	1.000	3501	
Brevard		6,097	1,897		
troward		6,755			
litrus		80,540 429	4,999	7,469 15	26
Iny		1,730	263		
colombia) 753	11,160	2,3001		7
Dade		16,040 10,415	3.020 1.085		
DeSolo		8651		170	6
escambla	1.515	11,825	1,367	456	13
lagler	$\begin{bmatrix} -1 & 45 \\ 2.351 \end{bmatrix}$	1,865	370 <u>1</u> 19.9831	588	21
ranklin		117,530 2,9821	$\frac{10.0001}{372i}$	102	- 5
landiton	603	1,584	106	80	
iernando		917	221	149	
fillsborough) 557 764	41,430° 4,925	8,355 ₁ 738 ₁	113) 431	
ackson	54	454	73	40	1
efferson	40	800	90)	100	
aFayetle	238	$\begin{bmatrix} 3,610 \\ 16.948 \end{bmatrix}$	709; 3.189;	445) 1,025	
aske		22,258	7,267	430	_
eon	1.165	34,340	6,3321	:1317	
evy] 367]	5,887	898]	30	64
dierty Jadison	i I	91,209	10,096	2,040	04
Japatee		60,082	10,703	20	
inrior	504	3,827	678	T4	
douroe		4,075	80 79*:	20	
Vessau		7.150	092	412	
keechobee	186	4,585	814		
Prange		19,650	3,902		
Drecola	1.007	21.126	7,6681	500	20
Asco	452	7,002	1,342		
inellas	776	14,860	2,960]	135	, 4
olk	$\frac{1}{687}$	26,554 32,070	1,4121 3,2851	429	21
anta Rosa	119	2,265	2651	40	
eminole	948[39,440	5,6771		
st. Johnsst. Lucie	186 1.210	$\frac{3.6551}{77.8821}$	1,064 13,105	지 576]	
Sumler	1,47111	11,006	\$43+1U44	710	•10
uwunnee					
Saylor	. 41	170 100	164	30)	
folusia VakuBa		$-170.1801 \\ -73.568$	34,034) 6,4171	827	30
Vallon		3.194	467	135	
Washington		22,737	2.263	988	
Totale	91.047	1.077.967	177,746)	14.125	7.00
Totals	31,141	1,414,2966	111,146]	14,120	77.30

Not reported

TABLE NO. 4-LIVE STOCK ON HAND, 1917-18.

HORSES

(Ou Hand July 1, 1918.)

COUNTIES.				
	Number	Value		
Alachua	3,463	\$ 435,739		
Baker	395	\$ \\\ \begin{array}{c} \delta 35,739 \\ \delta 7,785 \end{array}		
Bay	177	1 28.030		
Bradford	1,828	182,700 21,460		
Brevard	187	21,460		
Broward	79	13,870		
Callious	459	58,430		
Chrus	181 306	18,355 29,005		
Clay	1,102	181.315		
Columbia Dade	249	40,325 201,960 224,725 131,233		
DeSoto	2,567	201,960		
Duvel	1,796	. 224,725		
Escambia	1,320	131,233		
Flagler	134	18,495 16,200		
Franklin	81	16,200		
Gmdsden	1,156	146,600		
Hamilton	676 558	89,640 65,085		
Hernando	2.921	329,165		
Hillshorough	413	41,880		
Jackson	2,340	-268,963		
Jefferson	600	69,095		
la Fayette	637	98,700		
Lake	415	\$0,750 65,900		
Lee	448	65,900		
Leon	1,638	223,860		
I CAR	1,094	107,195 29,140		
Liberty	1,332	29,140 175,505		
Madlson	1,00%	105.355		
Manatee	. 1,137 3,010	324,925		
Monroe	0,030			
Nassaii	274	38,390		
Okaloosa	335	35,808		
Okcechobee	247	23.170		
Orange	939	109,040		
Osceola	1,053	208,785		
Palm Beach	320 1,142	162,687		
Pinellus	302	37,850		
Polk	1.675	198.215		
Putcam	1,073	198,215 138,794		
Santa Rosa	567	57,565		
Seminole	323	32,585		
St. Johns	1,102	134,440		
St. Lucle	241	28,170		
*Sumter	**************			
Shwabnee	1,391	172,545 31,356		
Taylor	279 1,239	31,356 116,940		
Wakulla	1,238	44,595		
Walton	482	49,444		
Washington	625	66,650		
Totals	46,923	. \$ 5.601,524		

^{*}Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

COLTS (On Hand July 1, 1918,) COUNTIES. Number Value 24,360 Alachua..... 276 14 2 87 Baker..... Bay Bradford ... Brevard ... 11 30 87 11 53 Broward Calhonn Cltrus..... Clay.. Columbia..... 5,695 Dade..... 114 33 DeSoto..... Duval..... Escambia..... 2,600 46 2 86 82 47 73 17 192 Ftagier..... Franklin..... Gadsden..... Hamilton Hernando...... Hittsborough..... Holmes..... Jackson 18 4 8 Jefferson...... La Fayette..... Lake...... 35 Lee. . 199 Leon.. 127 21 7 Levy....liberty.... Madlson..... Manatee Marlon..... 358 20,860 Monroe..... Nassau 23 1,555 65 1,890 Okaloosa 31 22 Okeechobee Orange..... 1,345 Osceola . . . Palm Beach 63 Равсо..... 5 47 Putuam 32 14 22 15 Santa Rosa........... Seminole..... St. Johns... St. Lucie... *Sumter 38 2.385 Suwannee ... Taylor..... Volusta..... Wakulia..... 8 18 23 17 34 715 155 Walton . . 1.855 Washington. 162,927 2,442 \$ Totals.....

^{*}Not reported.

TABLE NO. 4.—LIVE STOCK ON HAND, 1917-18-(Combined.)

COUNTIES	MULES (On Hand July 1, 1918.)			
1	Number	~ Y	nlue	
Alachua Baker Ray Bradford Brevard Broward Calbourh Citrus Clay Columbia Dade DeSoto Duval Eacambia Flagler Franklin Gadsden Hamilton Hernando Hilsborough Holmes Jackson Jefferson La Fayette Lake Leee Leon Levy Liberty Madison Manatee Marion Monroe Nasaau Okaloosa Okeechobee Oringe	2,864 771 332 1,451 1,50 410 802 129 247 2,027 457 1,590 632 857 241 75 1,256 1,356 2,356 1,188 1,172 21,849 1,787 689 291 3,704 1,504 1,504 1,503 1,037	*•	385,721 123,637 40,195 296,026 27,100 78,577 143,100 22,320 34,277 321,401 64,700 17,465 164,780 18,7387 221,388 273,387 221,388 47,725 245,760 101,650 18,750 27,587 284,740 286,234 210,803 293,327 88,770 181,750 293,327 88,770 181,750 293,327 88,770 181,750 294,560 27,563 294,560 27,563 294,560 27,563 294,560 27,563 294,560 27,563 294,560 27,563 294,560 27,563 294,560 27,563 294,560 27,563 294,560 298,327 88,770 181,750	
Orange Osceola Palm Beach Pasco Pineilas Polk Putnam Santa Rosa Seminole St. Johna St. Lucie Sumter Sumter Sumter Sumannee Taylor Volusia Wakulia Wakulia Washinglon	673 163 320 243 200 774 693 470 432 972 988 1,537 415 1,220 424 905 1,040		133,630 38,820 70,735 50,010 36,126 177,780 192,557 67,270 22,155 233,475 50,177 269,231 70,725 174,216 174,236 129,390 144,237	
Totals	60,125	*	7,653,128	

[&]quot;Not reported.

TABLE NO. 4.-LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES.	MULE COLTS (On Hand July 1, 1918.)		
	Number	Value	
Aluchua	118	\$ 14,075	
Bay	6	1,100	
Bradford	ı 30	3,000 350	
Brevard	1	100	
Calhoun	Ğ	415	
Citrus			
Clay	38	4,050	
Dade			
DeSato	8 24	2,000 2,235	
Imval Escambia	27	2.200	
Fiagler			
Frankllu	25	9900	
Cadsden	26	2,290 1,720	
Hernando	1	100	
Illisborough	30 32	2,875 3,140	
Holmes	123	3ú.04ŏ	
Jefferson	22	2,045	
La Favatte	/ 5	600	
Lee	1 14	1,620	
Leon	2	125	
Levy	2 4	250 300	
Idlerty	- 1	50	
Manatee	3	125	
Marion	74	7,270	
Mouroe	8	1,800	
Okalonsa	4	325	
Okeechobee		500	
Orange	. 10	1.300	
Osceola			
Pasco	34	5,995	
I'inellas Polk	38	0.400	
Pntnaci			
Santa Rosa	30	2.790	
Seminole	* 3	425 225	
St. Johns	ĭ	90	
*Sumter			
Suwannee	51 14	3,135 1,950	
Taylor Volusia	4	370	
Wakulla	4	390	
Wallon	9	865 655	
Washington	*1	099	
Totala	851	\$ 109,415	

^{*}Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18- (Continued.)

ASSES AND JENNETS (On Hand July 1, 1918.) COUNTIES. Value Number 1,350 Alachna. Baker... 5 4 300 Bay..... Bradford... 9 290 Brevard.... Broward . . . 400 Caihoun.... $\frac{240}{545}$ Citrus.... Ciay..... Colombia... 125 Dade...... DeSoto..... 360 Duval..... Escambla.... 2,360 18 Flagler 300 6151 Franklin..... Gadadeu..... Hamilton..... Hernando..... 740 210 330 Hillsborough..... Holmes.... 410 Ln Fayette ... Lake..... $\begin{array}{c} 628 \\ 650 \end{array}$ Lee....Leon.... 125 175 700 375 Levy. Liberty. Madison Manatee 3,480 Marion..... 76 Monrae..... Nassau..... 550 Okaloosa..... Okeechohee Orange...... Osceola..... Palm Beach Pasco
Pincias
Piola
Pintam
Santa Rosa 295 Seminole..... 125 St. Johns...... St. Lucie.... 193 *Sumter..... 300 201313. Suwannee 450 340 375 Taylor Volusia Wakulla.... đ Walton Washington . Tolais..... 275 \$ 19,483

Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

WORK OXEN

370

320

4,950 5,135 15,055 15,360

330,234

(No. Yoke on Hand July 1, 1918.) COUNTIES. Number Value Alachua... 8 3,800 4,506 10,490 1,730 Baker..... 68 364 Bradford..... 9 460 Brevard . . Broward . . 25,980 236 Calboun 50 4.070 Citrus..... Clay...... Columbia.... 35 1.570 Dade..... DeSoto.... 70 3,935 23,665 39,150 515 Duval..... Escambla.... Flagler..... Franklin.... 421 157 44 11 Gadsden..... Hamilton.... Hernando... Hillsborough. . 119 110 430 302 Holmes..... Jackson. Jefferson..... 10 850 Lo Fayette Lake..... $\substack{4.160 \\ 25,130 \\ 600}$ Lee....... 457 6 75 Leon..... Levy...... Liberty..... Ġ0 Madison..... Mauatee..... ãñ, 23 1,000 Monroe.... 21,312 495 Nassau Okaloosa Okeechobee 15.520 100 200 $\frac{185}{2}$ Orange..... 435 Osceola . . . Palm Beach .. 13 177 5.975 100 625Panco..... Pinelins..... 21 347 2,525 Putnam...... Santa Rosa..... Seminole..... St. Johns..... St. Lucie.... 18,005

8

9

34 57

103

150 259

5,793

\$

Totals....

•Somter

Taylor..... Volusia..... Wakulia....

Snwannee.....

Walton..... Washington....

Bar

^{*}Not reported.

Nati (Or

STOCK CATTLE Native Breeds—All Ages. (On Hand July 1, 1918.)

77.0	T 7 5	100	DE.		C4
CO	U.	١.		ы	ν.

	Number	Value .
Alachun Baker Bay Bradford Brevard Brevard Calboun Clirus Clay Columbia Dade DeSoto Livus Escambia Flagler Franklin Gaskden Hermando Hillisborougii Ifolmes Jackson Jefferson La Payette Lake Leon Leev Levy Liberty Mndhson Mnnntee Marnon	76,494 29,049 3,016 23,350 4,017 164 19,829 3,385 8,880 17,404 15 94,917 19,360 7,997 1,004 1,872 6,153 6,878 25,540 8,816 22,150 9,129 17,441 4,171 30,655 7,713 23,239 5,890 10,185 37,522 26,485	\$ 2,090,624 789,750 37,847 487,000 84,785 15,740 204,920 63,730 158,001 230,300 1,903,455 305,780 1,89,161 24,390 84,240 128,384 237,078 136,540 734,029 141,832 462,221 202,700 325,990 86,334 85,288 86,093 42,927 89,033 231,045 89,033 231,045 83,644 503,852
Monroe Nassau Okaloosa Okaloosa Okaloosa Okeechobee Orange Osceola Palm Beach Paseo Pluelins Polk L'atara Samia Rosa Seminoie St. Johna St. Lucle Simter Suwannee Taylor Volusia Wakulta Wakulta Wakulta Wakulta Wakulta Wakulta	9,763 7,234 10,555 14,897 91,843 19,758 11,080 2,752 66,038 17,394 9,991 7,947 17,055 17,605 7,827 8,490 47,349 0,755 11,653 8,820	223,386 138,763 217,330 296,895 3,060,303 426,056 166,569 61,155 1,465,948 529,140 199,104 185,690 602,730 546,392 132,790 165,349 948,950 132,560 132,560 132,560
Tolais	952,028	\$ 21,848,435

^{*}Not reported.

COUNTIES.

THOROUGHBRED CATTLE Incinding Three-Quarter Grades and Upward—all ages. (On hand July I, 1918.) Hereford and Grades.

COUNTING.	irerejora and unudes.			
	Number	Val	ze -	
Alachua	354	\$	35,400	
Raker	166	4.	16,670	
Bay	i	-	50	
Bradford	3	~	215	
Brevard	30		3,000	
Broward	24		2,520	
Citrus				
Clay	57			
Columbia	31		1,715	
DeSoto	10		1.000	
Daval	İ		50	
Escambla	1		. 75	
FlaglerFranklin	15		750	
(indaden	1		100	
Hamilton	12~		645	
Hernando	13		3.010	
Hillsborough	16		6.335	
Јасизоп	, 27		1,040	
Jefferson	4		375	
La Fayette	2 2		175 30	
Lake	l ő		2,280	
1.00E	137		3,820	
Levy	2		125	
Liberty	65		2,190	
Manate	3		150	
Marlon	96		6,680	
Мовгое	*			
NassanOkaloosa	7		800	
Okeechobee				
Orange	11		1,100	
Osceola	9		200	
Pasco	15		420	
Pinellas				
Polk	6		340	
Potnam	127		6,010	
Saminale	i	1	100	
St. Johns St. Lucie				
St. Lucie	56	1	4.835	
Sumter	35		1,370	
Taylor	5		250	
Volusia	3		188	
Wakulia	21		340 1,290	
Walton Washington	. 112		5,415	
1. White State of the state of				
	1 4 cm		110 500	
Tefals	1,487	\$	110,560	
		·		

^{*}Not reported.

²⁰⁻Com.Agr.

THOROUGHBRED CATTLE Including Three-Quarter Grades and Up-ward—all ages. (On hand July 1, 1918.) COUNTIES. Shorthorn and Grades. Number Value 189 12,200 Alachua...... Baker.... 25 950 40 Bay Bradford. 160 206 4.800 Brevard..... 150 80 50 Broward ... Calhoun..... Citrus..... 19 $950 \\ 275$ Ď 7,100 Dade..... DeSoto.... 52 Duval..... Escambla..... Flagler....Franklin..... **i**50 ż 300 420 200 230 5 Gadsden..... 643 Hamllton.... Hernando...... 82 1.250 140Holmes..... ้อี Jackson 200 Jegerson..... 1 75 Lee..... Leon.... 3,025 88 Levy..... Liberty..... Madison Manatee Marlon 45,500 465 Monroe..... 1.890 Okaloosa.....Okeechobee.... $\frac{1}{2}$ 50 300 Orange.... 551 7,600 Osceola..... Palm Beach..... Pasco.... 1,275 Pasco.
Pinellas
Polk
Putham
Santa Rosa.
Semluole
St. Johns
St. Lucle
Snmter
Suwannee 100 740 100 $\frac{1}{27}$ 16 830 3 300 1,745 17 26 1.500 Taylor Volusia Wakulia 11

64

ii

2,009

\$

3,150

100.429

675

Walton . . Washington .

^{*}Not reported.

COUNTIES.

THOROUGHBRED CATTLE Including Three-Quarter Grades and Upward—alt ages. (On hand July 1, 1918.) Deron and Grades.

COUNTILLS,	Dobbie did Grade,			
_	Number	Value		
Alachua		*		
Baker	*************	************		
Bay		************		
Bradford				
Brevard				
Calhoun	-1	75		
Cltrus				
Clay				
Columbia	4	276		
Dade	3	240		
DeSoto	2	240		
Duvai	1	100		
Escambia	1	100		
FlaglerFranklin				
Gadaden	**************			
Hamilton	*******			
Hernando	8	775		
Hillsborough	T	550		
flolmes	*************			
Jackson				
Jefferson				
In Fayette				
Lake	817	82,650		
Lee	2	25		
LeonLevy	1			
Liberty				
Madison		***************		
Manatee				
Marion				
Monroe				
Nassau	*************			
Okaloosa				
Okeechobee	***********			
Osceola		***************************************		
Palm Beach				
Pasco	i	60		
Pinellas	*************	**************		
Polk	- 5	310		
Putnam		**************		
Santa Resa	8	575		
Seminole		*************		
St. Johns				
St. Lucie				
Sumter				
Taylor	10	650		
Volusla		111111111111111111111111111111111111111		
Wakulla				
Walton				
Washington	******	***************************************		
Protesta.	867	\$ 36,280		
Totals	501	9 30,380		

^{*}Not reported.

COUNTIES.

THOROUGHBRED CATTLE Including Three-Querter Grades and Upward-all ages. (On hand July 1, 1918.)
Aberdeen Angus Polled and Grades.

COUNTES.	Aberdeen Angus Potted and Granes,		
•	Number	Value "	
	1.19	4 11000	
Alachua	143	\$ 14,250	
Baker	1	100	
Bradford	80	4,000	
Brevard	38	4,900	
Broward		,	
Calhoun	6	690	
Citrus	R	1,600	
Columbia	.8	375	
Dade	13	1,095	
DeSoto	24	2,400	
Duval	*********		
Escambla			
Flagler		***************************************	
Franklin			
Hamilton	,	**************	
[lernando	/ 1	60	
Hillsborough	i i	50	
Holmes		100	
Jackson	30	1,500	
Jefferson			
Lake	1	140	
Lee	38	2.750	
Leon		***************	
Levy	***************************************	************ <u>**</u> *	
Liberty	21	275	
Madison Manatee		*************	
Marion	326	26,300	
Monroe	************		
Nassau	6	900	
Okalopsa	2	212	
Orange	4	1,000	
Osceola	108	9.150	
Palm Beach	************		
Pasco			
Pinellas		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Polk	31	200 3,250	
Santa Rosa	1	50	
Seminole	- 69	5,525	
St. Johns		***********	
St. Lucle	8	1,210	
Samter	52	5,200	
Suwannee	04	9,200	
Volusia			
Walculfa		************	
Walton	1	- 150	
Washington	,	************	
m-s-i-	1 140	ê 07.700	
Totals	1,112	\$. 87,792	

^{*}Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

THOROUGHBRED CATTLE Including Three-Quarter Grades and Up-ward—all ages. (On hand July 1, 1918.) COUNTIES. Quernsey and Grades. Value Number 1,900 22 Alachna. Baker.. 170 3 Bay... 5 Bradford .. 1.875 21 Brevard..... Broward.. Calhoun... ii 1,075 420 2,700 3,210 3,115 1,075 1,000 Clay..... Columbia... ġ $\frac{27}{56}$ Dade..... DeSoto... 98 Duval..... Kscambla.... 14 20 Flagler..... Gadsden..... 6 Hamilton.... Hernaudo. 4,680 4,836 1,466 1,120 56 41 44 Jefferson..... $\tilde{20}$ ė 426 12 Lee..... 2,110 78 . . Liberty Madison Manatee Marion 300 ŝ 6130 1.78524 Monroe Nassau Okaloesa Okcechobee 360 Orange..... Osceota... \hat{a} 2,000 Paim Beach.... 375 290 Polk t3 214 17,905 200 325 Petnam..... 4 12 1,835

140

58

Ğ

Ş

1.089

 $\frac{7.280}{2.825}$

475 71,098

Totals.....

Suwarnee.....

Taylo:.... Volusia....

Wakulla Walton . .

Washington

^{*}Not reported.

TABLE NO. 4 .-- LIVE STOCK ON HAND, 1917-18-(Continued. I

THOROUGHBRED CATTLE Including Three-Quarter Grades and Upward—all ages. (On band July 1, 1918.)

Jersey and Grades. COUNTIES. Number Value 154,000 1,975 3,030 35,465 9,360 8.957 25 59 Alachua... Bradford..... 135 Brevard 41 -76 24 36 $\frac{4.850}{3.465}$ Broward.....Calhoun $\begin{array}{c} 1.525 \\ 2.480 \\ 5.355 \end{array}$ Cltrus..... Clay Columbia Dade DeSoto 94 63,511 11,854 35,250 29,678 668 177 \$80 520 18 31 Duvni Rscambla Flagler Franklin Gndsden 1,150 5,885 4,990 17,820 37,365 14 I 70 Ifamilton..... Hernando Hillsborough Holmes Jackson 273 718 865 4,355 Jackson
Jefferson
Lo Fayette
Lake
Lee
Lee
Leou
Levy
Liberty
Manison
Manatee
Marion
Monroe
Nassau
Okaloosa
Okeechobee
Orange Jackson..... 109 CO $\frac{3.825}{2.240}$ 28 14,530 262 222 13,004 60,380 3,422 100 4,950 4,315

រភត

215499 460

86

63 66 659

 $\frac{284}{272}$

479

 $\frac{148}{122}$

 $\frac{1}{28}$

927 688

403

465

214 30

\$

25,369

58

15,800 87,137

27,565

6,640 3,215 7,715 22,045

26,575 18,529 20.400 86.550

12.785 5,235

1,700

57.490 45,435 11 159

450 24,395 3,075

12,400 865

973,837

Orange..... Osceola
Palm Beach
Paseo
Pinellas
Polk

l'utusm.....

Suita Rosa
Seminole
St. Johns
St. Lucle
Snmter
Snmter
Taylor
Volusia

Wakulla.....

Washington Totals

Walton ..

Baker . . Bay.

^{*}Net reported.

COUNTIES.

THOROUGHBRED CATTLE Including Three-Quarter Grades and Upward—all ages. (On hand July 1, 1918.) Holstein and Grades.

	Number	Vatue	
Alachus	13	s 1,325	
	. 10	\$ 1,020	
Baker			
Bay	24	1,315	
Bradford		1,010	
Brevard	10	1,075	
Broward	13	805	
Calhoun	1 1	75	
Clay	8	680	
Columbia	13	360	
Dade	212 ,	39,000	
DeSoto	3 *	220	
Duval	26	1,200	
Escambia	37	1,699	
Flagler			
Franklin	1 1	50	
Gadsden		2.105	
Hamilton	20	100	
Hernando	70	4,750	
Hillsborough	1 19	355	
liolmes	1 .3 1	, 1,080	
lackson	44 2	100	
Jefferson	- 1	50	
In Fayette	55	4.265	
Lake		210	
Lee	3 5	100	
Leon	3	100	
Laberty		133	
Madison	40	2.000	
Manatee	21 70	740	
Marion	70	4,890	
Monroe	- 1		
Nassau	47	2,830	
Okaloosa	4 1	315	
Okeechobee	2	300	
Orange			
Osceola	2		
Palm Beach	61	6,535	
Pasco	1 20 1	320	
Pinellas	10	1,005 7,615	
Polk	129	1,700	
Putnam	10 1	685	
Santa Rosa	1 1	250	
Seminole	367	24,405	
	20	1,480	
St. Lucle	20	1,400	
Suwannee	4	565	
Taylor	4	100	
Volusia	62	3,100	
Wakulia	6	375	
Walton	2 1	165	
Washington	ĭ	50	
	1		
	1		
Totals	1.464	8 - 111,574	
	7		

^{*}Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

COX'S

Kept for milk only.
(On linnd July 1, 1918.) COUNTIES. . Number Value Alachua
Baker.
Bay
Bradford
Brevard
Broward
Calhoun
Citrus
Clay
Columble
Dade
DeSoto
Duval
Bremmbla
Flagler
Franklin
Gadsden
Hillsborough
Holmes
Jackson
Jefferson
La Payelte
Lake
Lee
Leon
Levy
Liberty
Madlson
Manatec
Marlon
Atonroe
Nassau
Okecchobee
Orange
Oxecchobee
Orange
Oxecchobee
Orange
Oxecchobee
Pinellas
Polk
Putoam
Santa Rosa
Seminofe
St. Johns
St. Junele
*Sumannee
Taylor
Volusla
Wakulla Alachua...... 1.824 202,583 -3,770 -6,490 -17,865Baker..... 41 156 205 149 31,933 100 186 286 76 10.415 $\frac{3,950}{68,750}$ $\frac{33,125}{33,125}$ 349 162 10,659 3.015 1.020 54,780 144 184 18,200 26,690 1,851 4.797 $\substack{435,145 \\ 42,310}$ 1,237 02,074 20,791 68 1,192 71,758 20,760 395 374 3,962 113,490 $\frac{228}{163}$ 6,640 187 13,835 36,794 44947 1,270 64.120202 13,035 2,057 77,553 108,190 28,220 33,060 1,369 793 384 660 31,660 43,060 87,567 26,010 566 1,003 420 20,605 21,584 77,035 28,115 433 372 1,052 369 3,855 Taylor..... 160 88,587 Volusia..... 1,208 1,510 Wakulla.... 34 Walton.... Washington.... 1,091 1,788 31,345 Totals..... + 64,941 \$ 2,542,446

^{*}Not reported.

TABLE NO. 4.—LIVE STOCK ON HAND, 1917-18—(Continued.)

CATTLE
Movement This Year, All Ages-1917-18.
Purchased.

COUNTIES.	4		
	Number	Value	
Alachua	2,428	s 42,963	
Baker	2.672	24,550	
Bay	141	24,550 2,306	
Bradford	1,876	51,907	
Brevard	100	2,500	
Broward	1,804	35,669	
Callioun	227	4.497	
Cllrus	469	0.358	
Clay	924	9,336 27,760	
Columbia	8	976	
DeSoto	1.264	27,280	
Duvol	Flu	2.790	
Escambin	278	6.414	
Flagler.	***********		
Franklin	1.834	73,360	
Gadeden	162	3,437	
Hamilton	138	2,780	
Hernando	34 965	680 10,185	
Hillsborough	671	16,790	
Nolmes.	144	10,820	
Jackson	27	324	
lefferson		.,,	
lake	2,209	44,700	
I-CC	328	85.875	
1.pon	1,392	87.875 10,643	
Levy	166	3.442	
1 lberty	760	13,280	
Madison	40	1.600	
Mapatee	9	230	
Marion	727	22,900	
Monroe			
Nassau	72	1,330 9,461	
Okaloosa	380	104,01	
Okrechobee	120	3,460	
Orange	139 3.615	106,585	
Palm Beach	230	2,400	
Pasco	178	4 510	
I'lnellas	401	4,519 12,740	
Polk	2.026	47,519	
Putnam	1.057	30,765	
Santa Rosa	861	30,015	
St. Johns.	438	9,295	
St. Johns	2,200	68,000	
St. Lucie	5,293	131,853	
*Sumter			
Suwannee	151	3,064	
Taylor T	65/	130	
Volus!a			
Wakula	113	2,235	
Walton	437	9,935	
Washington	201	14,27+343	
-			
	20 020	e 1.000.755	
Totals	39,669	\$ 1,020,755	

^{*}Not reported.

'TABLE NO. 4-LIVE STOCK ON HAND, 1917-18-(Continued.)

Movement This Year, All Ages—1917-18.
Died of Disease,

COUNTIES.

COUNTIES.			
	Number	Ve	lue
Alachua	77	\$	4,430
Baker	1		50
Bay	<u></u>		170
Bradford	277 125	,	6,574
Brevard	15		2,500 1,450
Broward	184		2,994
Cathoun	63		1.535
Clay	34		295
Columbia	20		400
Dade	213		4.180
DeSoto	-12		155
Davai	31		765
Flagler			
Franklin	IÙ		760
Gadsden	104		2,106
Hamilton	239 52	,	4,615 1,040
Hernando	. 95	l f	2 0.65
Holmes	80	1	2.566
Jackson	208		3.810
Jefferson	- 8	_	200
La Fayette	199	1 "	2,080
Lanke	139	-	2,710
Lee	· 72	1	use
Leon	126	-	3,721 1,895
Liberty	61	-	1,099
Madison	14		840
Manatee	18	1	380
Marion	252		4,230
Monroe	24		635
Okaloosa	50	İ	1,900
Okecchobee			
Orange	**************		
Osceola	101		3,065
Palm Beach	308	i	500 6,135
Pluellas.	2		120
Polk	.401	í	6.995
Putnam	25	1	625 1,672
Santa Rosa	90	1	1,672
Seminole	26 28		700
St. Johns?	47		545 905
*Sumter	1		900
Sowannee	141		1,582
Taylor	259		5.155
Volusin			
Wakulla	3		35 97
Washington	125		2,544
	120		TI Capita
- 5.	1		50.455
Totals	4,552	*	98,760
		1	

^{*}Not reported.

TABLE NO. 4,-LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES.

, CATTLE
Movement This Year, All Ages-1917-18,
Slaughtered-(For Home Use).

Alachna		Number	Valne
Baker 39 3.338 Bradford 296 8.604 Brevard 525 16,150 Broward 590 12,888 Calnoun 590 12,888 Citrus 227 6,667 Colambia 208 5,975 Dade 3 9 DeSoto 543 12,770 Puval 121 2,875 Flagler 25 75 Franklia 1,810 73,600 Gadsden 5,8 1,457 Hamilton 330 6,886 Hernando 20 60 Gadsden 5,8 1,457 Hamilton 330 6,886 Hernando 20 60 Hamilton 330 6,886 Hernando 20 60 Hernando 20 60 Lake 604 6,635 Lake 607 618,885 Holimes <	Alachus	4.518	290.095
Bay . 93 1.995 Bradford . 206 8.604 Brevard . 525 16.150 Broward . 508 12.888 Calhoun . 158 3.938 Citrus . 227 6.667 Columbia . 208 5.075 Dade . 3 90 DeSoto . 543 12.770 Drival . 121 2.875 Escambia . 116 3.217 Flagler . 25 7.50 Franklin . 1.810 73.600 Gadsden . 588 1.437 Hamilton . 330 6.880 Hernando . 20 605 Hillsborough . 46.979 618.885 Jackson . 252 5.120 Jackson . 252 5.120 Jackson . 252 5.120 Jackson . 252 5.120 Jackson . 252 6.605 Mantage . 1034 36.321 Lee . 904 2.0.688 Leon . 1.034 36.321 Levy . 5 125 Liberty . 295 6.605 Mantage . 128 Mantage . 129 Mantage . 100 Mantage . 120 Okanosa . 140 Okanosa . 140 Okanosa . 140 Okanosa . 140 Okanosa . 141 Orange . 182 Orange . 183 Orange . 191 Or			
Bradford 296 8,6644 Breward 525 16,150 Broward 508 12,888 Citrus 158 3,938 Clay 227 6,667 Columbia 208 5,975 Dade 3 9 DeSoto 543 12,770 Duval 121 2,375 Escambia 116 3,217 Flagler 25 75 Franklin 1,810 73,600 Gadsden 58 1,437 Flagler 25 73,600 Franklin 1,810 73,600 Gadsden 58 1,437 Hamilton 339 6,889 Hernando 46,970 618,985 Hillsborough 46,970 618,985 Hillsborough 46,970 618,985 Holmes 1,14 1,692 Jackson 229 6,635 Lee 1,034 36,321			1,995
Broward 506			
Calhoun 508 12,888 Citrus 158 3,935 Clay 208 5,775 Dade 3 90 DeSoto 543 12,770 Inval 121 2,973 Escambla 166 3,217 Flagler 25 75,600 Franklin 1,810 73,600 Gadsden 58 1,437 Hemando 20 60 Hernando 20 60 Hillsborough 46,979 618,985 Holmes 114 1,692 Jackson 232 5,122 Jererson 232 5,222 Jererson 224 6,033 Lee 604 20,686		525	16,150
Citrus. 158 3,938 Clay. 227 6,647 Columbia. 208 5,975 Dade. 3 90 DeSoto. 543 12,770 Inval. 121 2,975 Escambia. 116 3,217 Flagler. 25 750 Franklla. 1,810 7360 Gadsden. 58 1,437 Hamilton. 33b 6,886 Hernazóo. 20 603 Hillsborongh. 46,979 618,985 Holisborongh. 46,979 618,985 Hillsborongh. 20 6,032 Jackson. 232 5,122 Jackson. 252 5,122 Jackson. 252 5,122 Lake. 229 6,033 Lev. 229 6,033 Lev. 295 6,605 Marion. 1,034 36,321 Lev. 295 6,605		500	17 998
Clay			
Columbia 208 5,740 Dade 3 90 DeSoto 543 12,770 DeSoto 121 2,975 Escambia 126 3,217 Flagler 25 73,600 Gadsden 330 6,860 Hernando 20 605 Hernando 20 605 Hernando 46,979 618,985 Hillsborough 114 1,602 Jackson 232 5,120 Jackson 232 5,120 Lake 229 6,033 Leec 604 20,686 Leon 1,034 36,321 Levy 295 6,665 Manison 24 805 Marlon 299 11,365 Marlon 299 11,365 Marlon 299 11,365 Monroe 182 5,086 Okcacobae 10 300 Okalocéa 24 646 Okcacobae 182 5,086 Osceola 181 4,837 Paine Beach 284 5,086 Osceola 181 4,837 Paine Beach 284 5,086 Santa Roea 14,185 Paine 200 6,744 Polk 42 11,547 Polk 5,086 Santa Roea 412 11,547 Seminole 107 3,344 St. Lucie 4,815 129,507 Sumaire 1 26 Washington 17 393 Color Color 18 Color Color 18 Color Color 18 Color Color 18 Color Color 1		227	6.667
Dade	Columbia		5,975
Puval 121			
Escambla			12.110
Flagler. 25 750 Franklln. 1.810 73.800 Gadsden. 58 1.437 Hamilton. 339 6,868 Hernando. 20 605 Hillsborough. 46.979 618.985 Jackson. 252 5,120 Jackson. 252 5,120 Jackson. 252 5,120 Jackson. 252 5,120 La Fayette. 229 6,633 Levy. 53 125 Levy. 55 120 Mandison. 244 805 Marion. 289 11.305 Marion. 289 11.305 Monroe. Nassau. 12 390 Okalocéa. 24 646 Okeechobee. 10 300 Orange. 182 5,988 Osceola. 24 646 Osceola. 2845 Paim Beach. 2845 Paim Beach. 2845 Polk. 42 Polk. 42 Polk. 42 Polk. 42 Seminole. 107 Santa Roea. 412 Santa Roea. 41			3.217
Franklin			750
Gadsden 58 1,437 Hamilton 20 605 Hernando 46,979 618,985 Holmes 114 1,662 Jackson 252 5,120 Jackson 252 5,120 Jackson 252 5,120 Jackson 252 5,120 Lake 229 6,033 Leon 1,034 36,321 Leon 1,034 36,333 Leon 295 6,605 Matison 24 805 Marion 289 11,365 Morroce 12 30 Nassau 12 30 Okalocsa 24 64 Okalocsa 24 64 Okalocsa 10 30 Orange 182 5,086 Osceola 181 4,835 Paim Beach 2,345 18,156 Paim Beach 2,345 18,156 Paim Beach 202 6,74 Polk 42 1,042 Polk 42 1,042 Seminole 10 3,34 Seminole 10 3,34 St. Johns 2,188			
Hernando	Gadsden	58	
Hillsborough			
Holmes			
Jackson 252 5,120 Jefferson La Fayette Lake Leec Leec Leon Liberty Manatee Marlon Marlon Massau Okalocéa Okalocéa Oscella Dincilas Paim Beach Paim Beach Paim Beach Pain Roea Polk Santa Roea St. Lucte St. Lucte Sumanne St. Lucte Sumanne Sumanne Washington Washington	Holmon		
Jefferson			
La Fayette	Jefferson		
Fee	La Fayette		
Leon			
Levy			20,000 32,391
Liberty. 295 6,605 Madison Manatee 24 805 Marlon 289 11,365 Marlon 299 11,365 Nassau 212 390 Okalocsa 24 646 Okechobee 10 300 Orange 182 5,986 Osceola 161 4,833 Paim Beach 2,345 13,155 Paim Beach 2,345 14,185 Paim Beach 2,345 14,185 Paim Beach 2,345 14,185 Paim Beach 3,366 Salt 14,185 Paim Beach 3,364 Paim 8,365 Paim 8,365 Salt 11,542 Salt 11,542 Salt 10,7 Salt 20,365 S			195
Madison 24 805 Marlon 289 11,365 Morroe 12 390 Mossau 24 64 Okaloesa 24 64 Okaloesa 10 300 Okaloesa 16 46 Okaloesa 16 42 Orange 182 5,080 Osceola 161 4,835 Paim Beach 2,845 18,150 Pageo 581 14,181 Pinclias 202 6,744 Polk 42 1,042 Putnam 846 35,764 Santa Rosa 412 11,542 Seminole 107 3,346 St. Johns 2,138 74,925 St. Lucte 4,815 129,502 *Sumter 1 20 Suwannee 1 20 Taylor 4 9 Volusia 2 2 Wator 17 </td <td></td> <td>295</td> <td></td>		295	
Manatee. 24 805 Marlon. 239 11.305 Morroe. 12 39 Nassau. 12 39 Okalocaa. 24 646 Okecchobee. 10 300 Orange. 182 5.08 Osceola. 161 4,83 Paim Beach. 2.845 18,15 Pincilas. 202 6,74 Polk. 42 1,04 Polk. 42 1,04 Polk. 442 1,154 Santa Rosa. 412 11,54 Semlnoide. 107 3,34 St. Lucle. 4,815 129,50 *Sumper. 1 20 Taylor. 4 90 Volusia. 13 266 Watton. 17 39 *Watton. 17 39 *Watton. 17 39 **Watton. 17 39			
Monroe. Nassau. Nassau. Okalocéa. Okaloc	Manatec		
Nassau		289	11,365
Okalocea. 24 646 Okcechobee. 10 300 Orange. 182 5.086 Osceola. 161 4.835 Paim Beach. 2.345 18.15 Pasco. 581 14.18 Plnctlas. 202 6.740 Polk. 42 1.042 Putnam. 846 35.760 Santa Rosa. 412 11.542 Seminofe. 107 3.346 St. Johns. 2.138 74.921 St. Lucie. 4.815 129.502 *Sumiter. 1 20 Suminer. 4 90 Volusia. 13 266 Wattor. 17 390 Wattor. 17 390		10	200
Ökcechobee 10 300 Orange 182 5.088 Osceola 161 4,83 Paim Beach 2,845 13,15 Pairo 581 14,18 Plnclias 42 1,04 Polk 42 1,04 Potnam 846 35,76 Santa Rosa 412 11,54 Semlnole 107 3,34 St. Johns 2,138 74,92 St. Lucle 4,815 129,50 *Sumper 1 26 Taylor 4 9 Volusia 13 266 Watton 17 39 Wathington 17 39			
Orange. 182 5.085 Osceola. 161 4.835 Paim Beach. 2.345 18.156 Page. 581 14.181 Pinclias. 202 6.744 Polk. 42 1.042 Patnam. 546 35,764 Santa Rosa. 412 11.54 Seminole. 107 3.344 St. Johns. 2.138 74.92 St. Lucie. 4.815 129.50 *Sumter. 1 20 Taylor. 4 95 Volusia. 13 266 Watton. 17 39 Washington. 17 39			300
Osceola. 161 4,835 Paim Beach. 2,345 18,156 Pasco. 581 14,181 Pincilas. 202 6,740 Polk. 42 1,042 Putnam. 846 35,760 Santa Rosa. 1107 3,340 St. Johns. 2,138 74,920 St. Lucie. 4,315 129,500 Suminer. 1 20,500 Suminer. 2 1 20,500 Suminer. 3 1 20,500 Suminer. 4 90 Volusia. 260 Wathuigton. 17 390 Wathington. 17 390	Orange		
Pasco. 581 14.183 Pincilas. 202 6.744 Polk. 42 1.042 Putnam 846 35,766 Santa Rosa. 412 11.542 Seminole 107 3.346 St. Johns. 2.138 74.922 St. Lucte. 4.815 129,502 *Sumter. 1 20 Taylor. 4 95 Volusia 13 266 Waltor. Washington 17 393	Osceola	161	4,833
Pincilas. 202 6.744 Polk 42 1.042 Polk 846 35,766 Santa Rosa. 412 11.542 Seminole. 107 3.344 St. Johns 2.138 74.922 St. Lucie 4,815 129,502 *Sumjer 1 20 Taylor. 4 92 Volusia 93 Wathula 13 266 Wathun 17 399 Wathington 17 399	Palm Beach. !		
Polk 42 1.042 Putnam 846 35,764 Santa Rosa 412 11,542 Seminole 107 3,346 St. Johns 2,138 74,922 St. Lucte 4,815 129,502 *Sumter 1 20 Suwannee 1 20 Taylor 4 95 Volusia 13 266 Walton 17 393 Washington 17 393	Pasco		
Putnam.			1.042
Santa Rosa 412 11.542 Seminole 107 3.344 St. Johns 2.138 74.921 St. Lucie 4.815 129.502 Sumarr 1 20 Toloral 4 90 Volusia 13 266 Wathulk 13 266 Wathulk 17 392 Washington 18 400 Washington 17 392 Washington 18 400 Washington 17 392 Washington 18 400 Washington 18	846	35.760	
St. Johns. 2,138 74,92: St. Lucle. 4,815 129,50: *Sumjer. 1 2 Ruwannee. 4 9: Volusia. 13 260 Walton. 17 39: Washington. 17 39:		412	11,543
St. Lucie 4,815 122,502 *Sumper 1 20 Taylor 4 90 Volusia 13 26 Wakulis 17 390 Washington 17 390	Seminole	107	3,340
*Sumter. Suwannee. Taylor. Volusia. Wakulla. Waltor. Washington. *1 26 95 266 37 39 39 40 30 40 30 40 40 50 50 50 60 60 60 60 60 60 6	St. Johns		
Suwannee	St. Lucie	4,819	120,00
Taylor. 4 9: Volusia. 9: Wakulis. 13 266 Waltor. 17 39:	Sumaringo		26
Volusia 13 260 Wakulia 17 39 washington 17 39		4	
Walton. Washington. 17 399	Volusia		
Washington	Wakulia	13	26€
The state of the s	Walter	47	201
4.000	Waanington	11	
Totals 71,872 \$ 1,311,68s			
	Totals	71,872	\$ 1,311,68

^{*}Not reported.

TABLE NO. 4.—LIVE STOCK ON HAND, 1917-18—(Continued.)

COUNTIES.	CATTLE 'Movement This Year, All Ages—1917-1 Exported Living.		res—1917-18.
	Number		Value
Alarbna	864	*	33,523
BakerBay	27		
Bradford	1,480		13,12
Broward	2,382		57.68
Chrus	33		3.143
Columbia	* * * * * * * * * * * * * * * * * * * *	4	
Dade DeSote	12,759	*****	172,580
Duvel	9		230
FlaglerFranklin			
Gadsden	55 5	1	1,435
Hernando			
Hillsborough	7		1.056
Jackson	(13) (5),		1.500
Im Fayette			
LeeLeon	6,313	/	190.26: 180
Levy	18 200	·	233 4.750
laberty			
Manatee	22	'	600
Monroe Nassau		1	
Okaloesa	197		4.10
Orange			
Palm Beach	13		26
Pinclias			
Polk Putnam	793		47,360
Santa Rosa	163		6,08
St. Johns St. Lucle	110		4,65
Sumter			
TaylorVolusia			
Wakulia	15	1	40
Walton	. 445	1	10,17
Totals	25,836	3	້ຽຣ໌1.S

 ^{*}Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES.

CATTLE
Movement This Year, All Ages-1917-18.
Sold Living-(Local Use).

	Number	V	Talue
Alachua	2,912	\$	125,708
Baker	3,745		83,435
Bay	60		1,185
Bradford	2,680 1,232		70,249 27,580
Brevard	1,20=		21,000
BrowardCalboun	- 926		22,443
Clirus	317		7.962
Clay	565		13,357
Columbia	. 1.032		23,897 510
Dade DeSoto	3.959		88,310
Duvai	78		3,295
Escamola	381		9,965
Flagier	84		- 873
Franklin	64 750		2,5 6 0 14,863
Gadsden	192		4.250
Hamilton	162		4,545
Hillsborough	958	0	4,545 34,250
Holmes A	852		21 475
Jackson	1,360		20,199
Jefferson	628 12		3,303 240
La Fayette	235		8,557
Lec	584		19,126
Leon	723 -		19,620
Levy. Liberty.	949	1	24,075
Liberty	650		16,645
Madison	40 315		2,100 8,650
Marion.	3.063		74,740
Monteo			
Nassau	42		1,055
Okatoosa	1,437		36,512
Okeechobee	585 1,356		15,676 89,875
OrangeOsceola	6.854		170,720
Palm Beach			
Pasco	1,549		12,992
Pinellas	15		795
Polk	7,148		169,885 27,260
Putnam	1.026 918		26,220
Seminole	248		7,490
St. Johns	5,388		166,175
St. Lucle	1,302		39,033
*Sumter			10 100
Snwannee	569 730	1	12,192 11,365
Volgaia			
Wakulla	270	11111	7,297
Waiton	225 713		3,685
Washington	713		18,103
		,	•
Totale:	59,853	8	1.523,705

Not reported.

TABLE NO. 4.—LIVE STOCK ON HAND, 1917-18—(Continued.)

. COUNTIES.	CATTLE Movement This Year, All Ages—1917-18. Ded of Exposure to Weather.	
	. Number	Value
Alachua	21	\$ 630
Baker		
BradfordBrevard	5†5 20	7,200 200
Broward	280	4,703
Citras	280 135	3,445 2,924
Columbia	142 251	2,924 5,193
Dade		
DeSota	55 2	I,100 40
Escanibla.	24	495
FlaglerFraukllu	3 50	70 2,000
Gadsden	41	950
Hamilton	156 34	2,580 680
Illlisborough	105 115	3,235 • 1,524
Holmes	42	* 1,524 890
Jefferson	20	400
La FayetteLake.	23	100 405
Lce	. 22	220
Levy	403	664 7.625
Liberty	178	2,985
Madison	6	120
Marlon	866	14,730
Monroe		
Okaloosa	88	1,760
Okeechobee		
Osceola	10	300
l'asco	185	2,687
Polk	1,127	25,430
l'uteam	226	6,640
Santa Rosa	171 162	3,429 8,152
St. Johns	374	17,515
St. Lucie*Sumter	843	15,754
Suwannee	3	24
Taylor Volusia	443	7,169
Wakulla	222	3,390
Walton	2	35
Totals	8,514	\$ 152,386

^{*}Not reported.

TABLE NO. 4.-LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES.	Movement This (On Hand J:	Year, All Ages.
	Number	Value
Alachua Buker Ray Ray Bradford Brevard Broward Calhoun Citrus Clay Columbia Dade DeSoto Duval Escambia Flagler Frankin Gadsden Hamilten Hernando Hillsborough Holmes Juckson Jefferson La Fayette Lake Lee Leon Leyy Liberty Madison Manatee Marlon Monroe Nassau Okaloosa Okeechobee Orange Osceola Palim Beach Palim Beach Palim Beach Palim Beach Palim Samia Rosa Seminola St. Lucie *Sumanee Taylor Volusia Walfon Washington Washington Washington Washington Washington Washington	58,540 18,667 4,148 33,572 2,142 996 31,959 4,775 7,204 54,552 421,147 14,074 14,896 2,581 3,557 40,930 42,299 6,456 41,840 46,702 89,879 4,457 46,287 46,287 46,287 46,287 46,287 46,287 11,680 43,894 11,015 48,497 6,853 15,157 5,116 7,069 8,179 14,616 7,069 8,179 14,616 22,210 1,732 29,312 20,989 24,445 22,333 21,623 28,312 20,989 24,445 22,333 21,623 28,312 20,989 24,445 21,891 29,070 32,754	\$ 370,930 149,287 40,148 280,380 15,881 21,335 329,385 23,625 36,328 162,208 11,512 230,147 751,048 12,063 28,560 197,912 232,896 40,855 299,065 357,242 359,282 230,391 36,055 39,470 341,267 282,570 45,078 283,587 59,059 383,587 12,063 284,676 45,078 283,587 181,524
Totals	1,195,481	\$ 8,767,853

^{*}Not reported.

HOGS Movement This Year, All Ages. Slaughtered for Pork. COUNTIES. Number Value 87,022 94,640 2,744 48,235 3,411 1,665 $\frac{6,767}{5,050}$ Baker..... 279 Bny. 3,491 Bradford..... Breward
Broward
Calboun
Cltrus
Clay
Columbia
Dade
DeSoto
Imval
Escambia
Plagler
Pranktin
Gadsdon 16.615 3,995 6,408 12,232 1,473 462 7,136 6711 13 1,452 283 60 11.615 Gadsden. Hamiitou Hernando. Hillsborough. Holmes. $\frac{2,041}{12,356}$ 1,041 1,190 281,876 $\frac{92}{29.485}$ 2,057 164,760 10,169 27,675 180 66,281 770 Jefferson..... Jefferson La Fayette Lake 311 5,570 1.314 Leec.
Leon.
Levy.
Liberty
Madison
Mannatee
Marion
Monroe
Nassau
Orslooss 10,860 33,260 2,070 680 104 890 2.534 2,250 29,435 1.183 19,438 Okaloosa Okacchobec Orange Osceola Palm Beach 1,548 752 2,099 568 7,490 9,810 20,855 7,512 6,533 517 713 Pasca Placifics Polk 2,831 4.148 Filtem.
Sapta Rosa.
Seminole
St. Johns
St. Lucle.
*Sumter.
Suwannee.
Taylor
Volusia. Putnam 1,043 374 6,301 742 10,026 šši 280 8,298 42,918 11,955 Wakulla.... Walton.... 108 1,490 Washington ... 1.326.195 158,715 Totals....

^{*}Not reported.

HOGS. Movement This Year, All Ages, Slaughtered for Bacon-(Local Use). COUNTIES. Number Value 17.032 8,743 603 Alachua...... Baker.... Bay 13,369 4,000 1,700 1,800 25,703 121,505 21,152 22,048 314,483 492 805 2,812 8,930 5,080 48,010 Duval...... Escambia..... Flagler
Franklin
Gadsden
Hamilton 121 13,275 282 1,199 Jackson
Jefferson
La Fayette
Laske 7.694 471 Leon Levy Liberty Madison Manatee 10.215 4,269 2,717 11,238 58,482 43,827 192,405 12,351 198,691 Marion. Monroe. Nassau 10,692 Okaloosa Okeechobee Orange 7,934 97,911 15 318 7.380 Osceola I'alm Beach I'aseo Pinellas 53,652 36,862 36,126 65 34,772 2,700 20,320 785 Intuam
Santa Rosa
Seminole
St. Johns
St. Lucie
*Snmter
Suwannee
Taylor
Volusia
Wakulla $1.45\overline{6}$ 108 1,150 13 151 12,832 2,914 3,892 350 6.547 10.983 Wakulla.... Walton.... Washington.... 146,541 231,968 3,817,687 \$

^{*}Not reported.

²¹⁻Com Agr

HOGS This Year, All Ages. Sold Living. Movement COUNTIES. Number Value 4,902 50,611 18,745 1,901 Alachua.. 1,866 Baker..... Bay.... Bradford 88 Brevard..... 29 Broward ... Calbonn Citrus Clay Columbia 4,059 729 225 406 Dade...... DeSoto..... Flagler..... Franklin..... Gadaden.... Hamilton..... Holmea..... Jackson ... Lake..... Lee..... Leon..... Leon levy Liberty 5.663 1.634 2.872 101 Madison Manatee 6,966 114.665 Marion.... 1,621 10,533 2,542 11,036 12,980 Monroe..... Nassan 1,262 250 766 1,858 200 804 Orange..... Oaceola.
Palm Beach
Pasco.
Pinellas 2,000 159 Pineitas
Polk...
Putnam.
Santa Rosa
Semlnole.
St. Johns
4t. Lucie.
"Sumter...
Sumannee... 641 80 068 204 634 510 13,178 1,579 9,865 5,788 7,313 267 10,096 14,984 Suwannee.... 1,592 86,740 2,240 4,224 Taylor...... Volusia..... Wakulla..... 495 Walton..... Washington..... 40,445 3,296 86,907 \$ 925,959

Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES.

HOGS Movement This Year, Ail Ages. Died of Disease.

Baker 144	· COUNTIES			
Baker		Number	V	tiue
Baker	Algebra	2,385	*	11,160
Bay		042	~	1,195
Bredford	Ray			. 74
Brevard 3,045 10,41 28	Bradford			18,759
Stoward	Brevard	11		
Caincan. 1,352 4,95 Clay. 3,986 2,218 Clay. 3,986 2,218 Dade. 130 50 86 DeSoto. 50 86 Recamble. 115 157 Fingler. 40 2,29 Franklin. 4,326 3,24 11,02 Hernando. 131 7,66 Gadsden. 2,324 11,02 Hernando. 131 7,66 Hernando. 131 7,66 Hernando. 131 7,66 Hernando. 14,224 46,93 Jackson. 473 3,26 Jackson. 473 3,26 Jackson. 3,520 10,26 La Fayetic. 552 8,06 La Fayetic. 3,520 10,26 La Fayetic. 3,448 8,86 Liberty. 2,947 2,30 Leon. 3,041 15,34 Manatec. 7,356 37,22 Mana	Broward	2045		10.418
City	Calhoun			4.955
Dade	Chrus	482		
Dade	Columbia No a conservation in	3,986		15,944
Description Section	Dade	100		
Payral Fiscamble 115	DeSoto			
Final	Davai			
Pranklin	Escamhia			1.579
Gadsden Hernando Hernando Hernando 1331 76 Hernando 1331 76 Holmes 14,224 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 16,76 Holmes 17,76 Holmes 17,77 H	Panetta			320
Hamilton	Codaden			17 590
Hernando Hillsborough Holmes Jackson Holmes Jackson Ja	Hamilton	2,324		11,023
Hillsborough	Hernando			705
Jackson	#Hillshorough	2,284		
Action	Holmes	14 994		
Scatter Scat	Jackson			3,238
Lake 2.047 2.56 Lee 2.047 2.56 Lee 3.041 15.34 Levy 3.448 8.86 Levy 2.876 9.27 Madison 476 2.876 Manatec 7.356 37,22 Monroe 258 2.11 Manatec 65 2.51 Okaloosa 5.324 20.4 Okaloosa 61 1.00 Osceola 600 3.4 Osceola 1.2 Pain Beach 1.2 Pasco 2.288 5.00 Pain Beach 3.4 Santa Rosa 3.4 Santa Rosa 628 3.21 Santa Rosa 628 3.22 Seminole 3.64 2.14 St. Johns 1.052 St. Lucte 647 3.41 Shwannee 3.061 16.76 Shwannee 3.061 16.76 Shwannee 7.45 2.06 Washington 3.216 14.06	Jefferson			10.200
Lee 2,041 15.34 Leon 3,443 15.36 Levy 2,876 9,27 i,berty 2,890 17,74 Mandison 476 2,890 Manatee 476 2,58 Manatee 2,58 2,11 Monroe 258 2,11 Okaloosa 5,324 20,42 Okaloosa 865 2,53 Okeechobee 61 1,00 Osecola 12 1 Pairo 1,288 5,00 Pinellas 2,294 20,54 Polik 34 36 Polik 3,44 36 Polik 2,294 20,54 Polik 3,44 36 Polik 2,294 20,54 Polik 3,44 36 Polik 3,294 20,54 Polik 3,294 20,54 Santa Rosa 628 3,22 Seminole 3,64 2,21 St. Johns 647 3,4	Lat rayeuc.			8.062
Leon	Log		i .	.2,505
1.6vg 3.448 8.586 9.27 Madison 2.876 9.27 Madison 476 2.880 17.74 Manatec 7.356 37.25 Monroe 258 2.11 Okaloosa 5.324 20.44 Okaloosa 665 2.55 Orange 660 3.44 Osceola 1.2 Pairo Beach 1.2 Pasco 1.288 5.00 Pinellas 2.94 20.56 Putnam 628 3.27 Santa Rosa 628 3.27 Seminole 364 2.14 St. Johns 1.052 15.66 St. Lucte 647 3.44 Sumter 3.061 16.76 Taylor 745 2.96 Washington 3.216 14.06 Washington 3.216	Lenn) '	15,340
1.5berty 2.890 17.44 Madison 476 2.890 Madison 476 2.890 Manatec 7.356 37.23 Monroe 258 2.11 Nassau 258 2.21 Okaloosa 865 2.53 Okaechobee 61 1.50 Osceola 600 3.44 Palm Beach 12 12 Palm Beach 12 12 Palm Beach 2.288 5.00 Pinellas 2.94 20.56 Polk 34 33 Putnam 514 3.2 Santa Rosa 628 3.22 Seminole 1.052 15.61 St. Johns 1.052 15.61 St. Lucie 647 3.41 Sumter 3.001 16.77 Sumter 745 2.00 Volusia 1.417 3.77 Wakuifa 1.417 3.77 Washington 3.216 14.06 Washington 3.216 14.06 Washington 3.216 14.06 Valusia 1.417 3.77 Washington 3.216 14.06 Valusia 1.40 Valusia 1.417 3.77 Washington 3.216 14.06 Valusia 1.40 1.677		l	8,863	
Marion. 7,356 37,22 Monroe. 258 2,11 Okaloosa. 5,324 20,42 Okaechobee. 865 2,55 Orange. 61 1,00 Osceola. 12 11 Paim Beach 12 12 Pinellas. 34 30 Polok. 2,294 20,56 Putnam. 614 3,21 Santa Rosa 364 2,21 Seminole. 1,052 15,66 St. Johns. 1,052 15,66 St. Lucte. 647 3,41 *Sumter. 3,001 16,77 Taylor. 745 2,001 Volusia. 1,417 3,71 Wakolia. 1,417 3,71 Wakolia. 1,417 3,71 Wakolia. 1,417 3,71 Wakolia. 1,417 3,71	Liberty		{	9,219 17 745
Marion. 7,356 37,22 Monroe. 258 2,11 Okaloosa. 5,324 20,42 Okaechobee. 865 2,55 Orange. 61 1,00 Osceola. 12 11 Paim Beach 12 12 Pinellas. 34 30 Polok. 2,294 20,56 Putnam. 614 3,21 Santa Rosa 364 2,21 Seminole. 1,052 15,66 St. Johns. 1,052 15,66 St. Lucte. 647 3,41 *Sumter. 3,001 16,77 Taylor. 745 2,001 Volusia. 1,417 3,71 Wakolia. 1,417 3,71 Wakolia. 1,417 3,71 Wakolia. 1,417 3,71 Wakolia. 1,417 3,71	Madison		ł	2 845
Monroe	Manarec			37,223
Nassau 5,324 20,44 Okaloosa 865 2,53 Okechobee 61 1,00 Osceola 600 3,44 Pakro 12 12 Pakro 2,288 5,00 Pineilas 2,294 20,56 Polk 514 3,2 Santa Rosa 628 3,22 Seminole 364 2,1 St. Johns 1,052 15,66 St. Lucie 647 3,46 *Sumter 3,001 16,77 Swannee 3,001 16,77 Taylor 745 2,00 Volusia 1,417 3,77 Wakulia 1,417 3,77 Wakulia 1,417 3,77 Wakulia 3,216 14,06	Manroe			
Okaloosa 3,322 Okeechobee 865 Orange 61 Osceola 12 Paim Beach 12 Pasco 34 Pinellas 2,94 Polk 514 Putnam 628 Santa Rosa 364 St. Johns 1,052 St. Lucte 647 St. mater 3,061 Shmathee 3,001 Taylor 745 Volusia 1,417 Wakulia 1,417 Wakulia 1,417 Wakulia 3,216 11,06	Vessell			2,110
Orange 61 Oscola 600 Oscola 12 Paim Beach 12 Pisco 1,288 Pinellas 34 Polk 2,294 Putnam 628 Santa Rosa 628 Seminole 364 St. Johns 1,052 St. Johns 647 St. Jucte 647 Shunter 3,061 Shwannee 3,061 Taylor 745 Volusin 1,417 Wakulia 1,417 Walton 3,216 11,06	Okaloosa / · · · · · · · · ·	5,324	1	
Osceola. 600 3.44 Pairo Beach 12 12 Pageco. 1.288 5.00 Pinellas. 2.94 20.5 Polk. 514 3.2 Putnam. 628 3.2 Santa Rosa. 628 3.2 Seminole. 364 2.1 St. Johns. 1.052 15,6 St. Lucle. 647 3,4 *Sumter. 3.001 16,7 Swannee. 3.001 16,7 Volusia. 1,417 3,7 Wakolia. 1,417 3,7 Walton. 3.216 14,0	Okeechobee			
Paim Beach 128	Orange		1	
Pasco. 1.288 5.00 Pinellas 34 34 36 Polk 2.294 20.50 Putnam 514 3.2 Santa Rosa 628 3.24 Seminole 1.052 15.66 St. Johns 1.052 15.66 St. Lucte 647 3.44 Sumter 3.901 16.74 Sumter 3.901 16.74 Volusia 1.417 3.74 Wakulia 1.417 3.74 Waton Washington 3.216 14.64 Valuation 3.216 14.64 V	Osceola			120
Pinellas 34 36 Polk 2.94 20.56 Putnam 514 3.2 Santa Rosa 628 3.21 Seminole 1.052 15,66 St. Johns 647 3,41 Sunter 3.001 16,77 Swannee 3.001 16,77 Taylor 745 2.00 Volusia 1,417 3,77 Wakulia 1,417 3,77 Walton 3.216 14,06	Passo			5,088
Polk 2.34 Putnam 514 3.2 Santa Rosa 628 3.2 Seminole 364 2.1 St. Johns 1.052 15,6 St. Lucie 647 3,4 *Sumter 3.001 16,7 Taylor 745 2,00 Volusia 1,417 3,7 Wakulfa 1,417 3,7 Walton 3.216 14,0	Dineline	34		300
Putnam 312 Santa Ross 628 Seminole 364 St. Johns 1.052 St. Lucte 647 *Sumter 3.001 Shwannee 3.001 Taylor 745 Volusin 1.417 Wakuiia 1.417 Waton 3.216 14.00	Palk			20.508
Santa Ross Seminole Seminol	Putnam			3,275
St. Johns 15,00 St. Lucte 647 3,44 *Sumter 3,901 16,74 Taylor 745 2,60 Volusin 1,417 3,74 Wakcila 1,417 3,74 Waton 3,216 14,63	Santo Post			
St. Lucie 647 3,46 *Sumter 3,061 16,76 Snwannee 745 2,06 Volusia 1,417 3,76 Wakulia 1,417 3,76 Walton 3,216 11,06	Seminole		-	
*Sumter. 3.001 16.77 Snwannee 3.001 745 2,001 Taylor. 745 2,001 Volusia. 1,417 3,77 Wakuila 1,417 3,77 Watton 3.216 14.00	St. Jones			3,450
Snwannee 3,961 16,14 745 2,00 745 2,00 745 2,00 745	*Sumter		{	
Taylor. 745 2,00 Volusia. Valusia. 1,417 3,71 Walton. Washington 3.216 11.06	Sparabase)	16,766
Volusin. 1,417 3,77 Wakuiia 1,417 3,77 Walton 3,216 14,00	Taylor.	745		2,997
Walton 3.216 11.00	Volusia			0 000
Washington 3.216 11.00	Wakulia	1,417		3,182
4010	Waltob	3 216		14.053
704-de 95.174 \$ 424.00	Washington	• 0.210		1
mostale 95.174 \$ 424.00				
TOTALS	Totals	95,174	*	424,000

^{*}Not reported.

TABLE NO. 4.-LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES.

SHEEL:
Movement This Year—Sheep and Lambs,
(All Ages, on Rand July 1, 1918.)

_	Number	Value	
Alachua	1,410	8 7,560	
Baker	330 817	2,100 2,451	
Ray Bradford	268	1,740	
Brevard			
Broward			
Calhoun	2.871	. 14,459	
Clay	521	2,865	
Columbia	16	80	
Dade	8	50	
Desoto	649 1.842	3,145 9,188	
Duval	3,824	10.234	
Flagler	3,824 4,655	. 24,375	
Franklin		316	
Gadaden	78 32	316 71	
Hamilton	722	3.765	
Illiaborough	1.306		
Holmes	0.977 1.014	4,208 15,464	
Jackson	1,014	2,070	
La Fayella	1411	755	
lake	170	920	
Lee		***************************************	
Leon	តិត្តភ្នំ	1,425	
1.lberty	31 1,160	- 74 3,100	
Madison		- 0,100	
Manatee	745	1,295	
Marion	4,415	15,240	
Monroe Nassau	1,968	9,145	
Okaloosa	11,985	50,150	
Okeechobee	1		
Orange. S	150	1,200	
Osceola	1,400	3,000	
l'asco	409	2,500 1,910	
Pinellas			
Polk	1,201	3,005	
I'ulnam	16,285	400 44,811	
Seminole	10,200		
St. Johns	300	1,500	
St. Lucle			
*Sumter	79	87.8	
Taylor	805	1.445	
Volusla	3,405	28,855	
Wakulla	051	3,504	
Wallon	6,779 7,865	44,885 38,088	
Whitegrou	1,000	98,033	
	1	•	
Tolals	84,213	\$ 401,166	

^{*}Not reported.

TABLE NO. 4.-LIVE STOCK ON HAND, 1917-18-(Continued.)

CONSTRUCT

SHEEP Movement This Year—Sheep and Lambs. Purchased,

Clay Clay Clay Columbia Dade DeSoto Duval Escambla Flagler Franklin Gadaden Flagler Franklin Gadaden G	COUNTIES.		- Intermeters		
Alachua Baker Bay Bredford Broward Broward Broward Broward Cathoun Cltrus Clay Columbia Dade DeSoto Duval Excambla Flagger Franklin Gadsden Hernando Hernando Hillisborough Holmes Jackson Laferson Laferson Laferson Laferson Laferson Laferson Mannatee Marlon Mannatee Marlon Marlon Marlon Marlon Marlon Okaeloosa Okaeloobe Oorange Oora					
Raker Ray Rredford Reference Ref		1	Number	Value	
Raker Ray Randford Ray	Machua		1.		
Bay Brevard	Raker.				
Bredford Broward Bro					
Brevard			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Cathoun. Clay. Clay. Clay. Clay. Clay. DeSoto.					
Clay Clay Columbia Columbia Clay Columbia Columbia Columbia Columbia Clay Columbia Clay	Broward	['	***************************************		
Clay Columbia Dade DeSoto Des			92	90	
Columbia Dade DeSoto DeVail Escamble Flagler Franklin Gadsden Flagler Franklin Gadsden			144	561	
Dade DeSoto Duval 1,217 4,61				0.02	
DeSoto	Corumon	H			
Duval					
Escambla Flagler 140 08 Franklin 20 8 8 8 8 8 8 8 8 8			1,217	4,613	
Franklin					
Cadeden 20			140	980	
Hamilton			000	80	
Hiernando				140	
Illistorough			1913	LEV	
Ilolmes	Herman	angh .	313	406	
Jackson			802	810	
Jefferson					
La Fayette Lake L					
Lee					
Leon			124474444444444444444444444444444444444	1 000	
Levy Liberty Madison 20 16 Manatee 17 13 13 Monroe 17 13 Monroe 17 16 Monroe 17 16 Monroe 16 Manage 17 Manage 17 Manage 17 Manage 17 Manage 18 Manage				1,280	
Aberty 20 16			, 1	-	
Madison 20 Marlon 17 Monroe 157 Nassau 0kachooss Orange 0cechobes Orange 0cechobes Orange 0cechobes Palm Beach 208 Pasco 208 Pinellas 23 Polk 23 Putnam 23 Seminole 35 St. Johns 35 St. Lucie 25 Sumier 25 Sumier 25 Taylor 25 Volusia 38 Wakuila 38 Walten 38	PVY				
Manatee 17			90	160	
Marlon				1	
Montroe			17	135	
Nasan					
Okalooss 157 62 Okeechobee 0 62 Orange 0 62 Osceola 208 44 Planellas 208 44 Pinellas 208 44 Purnam 23 5 Seminole 31 5 St. Lucie 23 5 *Sumier 8 1 *Sumier 25 16 Volusia Wakuila Wakuila Washington 38 12					
Orange Osceola Osceola 208 Palm Beach 208 Pasco 23 Pinellas 23 Polk 23 Putnam 8 Seminole 8 St. Johns 8 St. Lucle 8 Summer 8 Summer 25 Taylor 25 Volusia Wakutla Walten Walten Washington 38	Okaloosi	A	157	627	
Oscols. Palm Beach Pasco. 208 Pinellas Polk Putnam Putnam Santa Rosa 23 Seminole St. Jucise St. Lucise St. Lucise Sumier Suwannee Taylor 25 Volusia Wakuila Walton Washington 38 12					
Palm Beach Pasco Pasco Pinellas Polk Poth Ranta Rosn Santa Rosn Seminole St. Johns St. Lucle St. Lucle Sumier Sumier Sumier Sumier Sumier Sumier Sumier Sumier Wakuila Wakuila Wakuila Wation Walton Washington 38					
Pasco. 208 44 Pinellas. Polk. Putnam 8anta Rosn. 23 8 Reminole. 81 Johns 51 Incie 8 Sumter 8nwännee. 25 16 Volusia Wakuilla. Washington. 38 12	Daceota.				
Pinellas	Page 3	енеп	900	446	
Polk Putnam Ranta Rosa Santa Rosa Seminole St. Jucile Sumter Sumter Taylor Volusia Wainita Wainita Washington 38 15			2164	1	
Putnam Santa Rosa Santa Rosa Seminole St. Jucite *Sumier Suwannee Taylor Volusia Wakuila Wakuila Washington 38					
### ### ##############################					
Seminole	Kanta B	losn	23	9;	
St. Lucle. *Sumfer *Sumfer Suwannee Taylor. 25 16 Waku!la Walien Washington 38 15					
*Sumier Suwannee Taylor 25 Yolusia Wakuila Wakuila Washington 38					
Suwannee Taylor 25 Volusia Wakutia Wakutia Walton Washington 38 12					
Taylor. 25 16 Volusla. Waku!la Waku!la Washingion. 38 15			************		
Volusia Wakuila Wakila Wallon Washington. 38			95	100	
Wakulla Walton			25	200	
Walten					
Washington					
Totals 2.877 \$ 10,44			38	125	
Totals			-	1	
	Tot	als	2,877	3 10,446	

^{*}Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

SHEEP

675

118

85,064

Movement This Year-Sheep and Lambs. Sold Living. COUNTIES. Number Value Alachus ... 100 Baker 300 Ray..... Bradford... Brevard. . . Browerd ... 328 2,256 Calhoun.... Citrus.... 48 180 Clay..... Columbia... Dade..... 1,470 12,208 l'uval Escambla Flagler Franklin 1,918 6 160 35 310 12 890 250 700 Gadsden.... llamilton..... Hernando..... Hillaborongh.... Holmes.... 500 Jackson..... Jefferson. La Fayette..... Lake.... 15 Levy...... Liberty..... Madlson 96 Manatee...... 224 1.132 Marion..... Monroe..... ... Nassan..... Okaloosa..... Okeechobee.... 4,200 840 Orange..... Osceola..... Palm Beach. 125 140 560 I'olk Putnam..... 1,048 5,839 St. Johns. St. Lucie.... Sumter.... 400 Suwannee ... Taylor, Volusia Wakulla

37

6,512

\$

Totala.....

Walton...... Washington....

[&]quot;Not reported.

АОПЫТЕР

SHEEP
Movement This Year—Sheep and Lambs,
Slaughtered.

COUNTIES.	Slaugatered.	
	Number	Value
Alachua		\$
Baker		
Bay	10 12	60
BradfordBrevard		
Broward		
Calhoun	24	130
Citrus		24
Clay	0	21
Columbia Dade		
DeSoto	******	
Duval	28	148
Eacambla	3	15
Flagler		
Franklin	3	
Gadsden		
Hernando		
Hillsborough	12	36
Holmes	13	51 20
Jackson	•	20
Jefferson		
La Fayette	7	49
Lee	1	
Leon	1	2
Levy	9	j 50
Liberty		
Madlaon		
Marion	51	350
Monroe		
Nassan	******************	
Okaloosa		
Okeechobee	/	************
Orange		
Osceola	200	1,500
Pasco	25	125
Pinellas		
Polk		
Putnam	281	701
Sanla Rosa	201	101
St. Johns	75	375
St. Lucie		1
*Sumter		
Suwannee		
Volusia	**************	
Wakulla	***************************************	
Wallon		
Washington	14	54
Totala	781	\$ 3.767

Not reported.

TABLE NO. 4.-LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES.	SHEEP Movement This Year—Sheep and Lambs Died of Disease.	
	Number	Value
Alacina Baker Baker Bay Bradford Brevard Brevard Calboun Citrus Citry Columbia Dad2 DeSoto Duval Escambia Flagier Franklin Gadsden Hamilton Hernando Hillsbarough Holmes Jackson Lefferson Lefferson Lefferson Leferson Levy Liberty Madison Manatee Marion Morroe	28 28 5 5 21 21 110 7	\$ 24 29 140 20 4,910 82 223 21 41 -6 -70 -75 -178
Nassau. Okaloosa. Okaechobee Orange. Osceola Paim Beach Dasco. Pluellas Polk. Putnam Sauta Rosa. St. Johns St. Lucle *Sumter. Suwanner Taylor Volusia Walton. Washington	342	717
Totals	1,658	\$ 7,001

^{*}Not reported.

TABLE NO. 4.-LIVE STOCK ON HAND, 1917-18-(Continued.)

Movement This Year—Sheep and Lambs, Kitted by Dogs.

Number : Value Alachua. Baker . . 50 920 38 55 11 11 Bay ... Bradford.. Brevard ... Broward . . 845 4,450 Calboun... Citrus.... Ciay..... Columbia... 20 2 6 Dade.... DeSoto... 100 250 2,535 140 $\begin{array}{c} 20 \\ 90 \end{array}$ Duval. Duval..... Escambia... 635 35 Franklin ... Gadsden... 12 175 7ā 600 Hamilton.... Hernando.. Hillsborough... Holmes..... 25 50 Jackson . . Jefferson..... La Fayette.... Lake..... Leon... 300 300 Laberty.... 337 160 Madlson.... Manatee.... 300 100 344 894 Marion .. Monroe. 35 175 Nassau.... 1,281 5,150 Okaloosa Okeechobee. Orange..... Osceola. Palm Beach... Pasco 1,320 280 Pluellas..... Polk..... I'utnem..... 283 1,286 Santa Rosa Seminole..... St. Johns..... St. Lucie..... Sumter.... Suwannee.. Taylor.... Wakulla.... Walton Washington . . 500 2,750 24,289 5,996 5 Totals....

^{*}Nat reported.

SHEEP Movement This Year—Sheep and Lambs. Died of Exposure to Weather. COUNTIES. Number Value Alechua. Bay..... Bradford... Brevard..... Broward ... Calhoun Citrus.... DeSoto Duval...... Escambla..... 170 860 Flagler Franklin...... Gadsden..... Hamilton Holmes.... Jackson..... Jefferson..... Lee..... 20 130 Nassau...... 6522.671 Okaloosa..... Okeechobee..... Orange..... Osceola..... Palm Beach..... Paseo.
Pinellas
Polk
Putnam 400 2,588 693 Seminole.....50 ''iò St. Johns..... St. Lucie..... *Sumter..... Suwannee.... Taylor.... Volusla.... Wakulla.... Walten.... Washington . . . Totals.... 2,071 \$ 7,443

[&]quot;Not reported.

TABLE NO. 4 .- LIVE STOCK ON HAND, 1917-18-(Continued.)

COUNTIES:

COMMON GOATS
All Ages.
(On Hand July 1, 1918.)

	Number	Value		
Alachua	3,719	\$	7,698	
Baker	2.180	*	6,470	
Вау	249		420	
Bradford	4,855		7,287	
Brevard				
Broward	1,994		3,989	
Calhonn	722		1.031	
Clay	593		1,187	
Columbia h	607		1,247	
Dade			350	
DeSoto	95 2,276		· 6.34	
Duval	3,127		3.79	
Flagler	224		486	
Franklin	465		1,860	
Gadaden	862		1,724	
Hamilton	794 375		1.41	
Hernando	1.888	1	4,139	
Holmes	1,888 1,352		1.659	
Jackson	8,931	ł	3,250	
Jefferson	603]	.91	
La Fayette	711	[71	
Lake	/ 180		900	
Leon	1,155		2,156	
Levy	958	ŧ	1,56	
Idberty	389		44	
Madison	258	1	516 1,253	
Manatee	461 1,882		3,45	
Marion Monroe	1,002		0,20.	
Nassau	1,413		2,920	
Okaloosn	1,342		1,84:	
Okeechobee	63		6:	
Orange	100	}	216	
Osceola	. 44.		29	
Paaco	1,034	1	2,143	
Pinellas	1	1		
Polk	- 919 784	1	1,38	
Putnam	943		2,450 890	
Sanla Rosa	17		8	
St. Johns.	378	1	98	
St. Lucie	14		7-	
*Sumter				
Suwannee	325	1	65(84)	
Taylor	421 97	1	48	
Wakulla.	953	1	1,90	
Walton	896		1,91	
Washington	2,122		2,14	
Totals	53,998	3	\$8.08	

^{*}Not reported.

TABLE NO. 4.-LIVE STOCK ON HAND, 1017-18-(Continued.)

COUNTIES,

ANGORA GOATS
All Ages,
(On Hand July 1, 1918.)

Recambia 13		Number	Value
Baker 56 150 8 24 Bradford	Mahna		
Say		59	150
Bradford Broward Bro		į Š	
Broward	Bradford		
Calbon			
Clay		9	150
State			
Calumbia 93 247 Dade			
Description 12	Columbia	93	247
Nuval 12	Dade		
Escambia 13	Dural	12	133
Flagler			71
Gadsden	Flagler		
Ilamilton			
Hernando		126	180
Hillsborough	Hernando		
Sackson		87	468
Jefferson 30			
La Fayette			
Lake 28 280 Leen 171 431 Leon 171 431 Levy 1 431 Liberty 26 130 Manalee 1 8 Marion 51 202 Monroe 51 203 Nassau 61 304 Okaloosa 6 40 Orange 6 40 Osceola 51 234 Palm Reach 51 234 Polk 13 32 Polk 13 32 Polk 13 32 Semla Rosa 35 35 Semla Rosa 35 35 St. Johns 35 35 St. Lucle 30 30 *Sumter 30 1,00 Walton 30 1,00		91/	2+1
Lee 28 280 Leon 171 431 Levy 1 431 Liberty 26 130 Manilon 26 130 Marion 51 202 Morror 81 304 Okaloosa 61 304 Okeechobee 6 40 Orange 6 40 Osceola 9 234 Palm Beach 13 32 Polk 13 32 Patham 35 35 Seminole 35 35 St. Johns 35 35 St. Lucle 35 35 *Sumter 35 35 Swannee 7 7 Toylor 7 7 Volusia Wakulla 30 Washington 30 100			
Interty Inte			280
Liberty 26	Leon	171	431
Mandled 1 Marion 51 Marion 51 Marion 51 Morror 61 Nassau 61 Okaloosa 6 Orange 6 Osceola 6 Palm Beach 51 Pasco 51 Pinellas 13 Polk 13 Putnam 35 Samla Ross 35 Seminole 51 St. Johns 35 St. Lucle 35 *Sumter 5 Suwannee 7 Toylor 7 Volusia Walton Walton 30 Washington 30			
Manulee		26	130
Marion	Manalee		8
Nassau	Marion	51	202
Okaloosa 0keechobee 6 40 Okeechobee 6 40 Osceola 234 234 Palm Reach 234 234 Phollan 13 32 Putnam 35 35 Seminole 35 35 St. Johns 35 35 St. Lucle *Sunter *Sunter Suwannee Toylor *Volusia Wakulla Walton 30 1,00		0.7	201
Okeechobee Orange Orange Orange Oscola Palm Beach Pasco Pasco Pinellan Polk 13 32 Putnam Santa Rosa Seminole St. Johns St. Lucle Summer Taylor Volusia Wakulla Watton Washington 36 40 40 40 40 40 40 40 40 40 40 40 40 40		01	
Orecola			
Palm Beach Pasco. 51 234 Pinellan	Orange	6	40
Pasco 51 234 Pinellas 13 32 Polk 13 32 Putnam 35 35 Samla Rosa 35 35 Seminole 51 Johns St. Johns 51 Johns St. Lucle 52 Sumter 53 Sumter 54 Wawannee 7 Volusia 7 Wakulla 7 Watton 7 Washington 30 100			
Pinellan		j	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Polk	Phollan	99	244
Putnam. Sanla Ross. Sanla Ross. Seminole. St. Johns. St. Lucle. *Sumter. Suwannee. Taylor Volusia Wakulla Walton Washington. 30 1000	Polk	13	32
Seminole. St. Johns. St. Lucle. *Sumter. Suwannee. Taylor Volusia Wakulla. Walton. Washington. 30 1000	Putnom		
St. Johns. St. Lucle. *Sunter. Suwannee. Taylor. Volusia. Wakulla. Walton. Washington. 30 1,00	Sanla Ross	35	35
St. Lucle. Sumannee. Taylor Volusia Wakulla Walton Washington 30 1,00	Seminole		
*Sumter. Suwannee. Taylor Volusia Wakulla Walton Washington. 30 1000	St Lucie		
Stiwannee Taylor. Volusia Wakulia Walton Washington 30 1,00			
Volusia Wakulla Walton Washington 30 1,00	Sitwannee		
Wakulla. Walton Washington. 30 1,00			
Walton Washington 30 100			
Weshington			
		30	1,00
Totals 1,090 8 - 3,594		المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع	
T01813 1,090 \$ - 3,594		1	
	Totala	1,090) * · 3,594

^{*}Not reported.

YEAR 1917-18.

Table No. 8—Potal Acreages of Urops.Field Crops, Acres1,531,338Vegetable and Garden Products105,645
Total Acreage in Cultivation 1,636,983
Table No. 9-Total Value of All Farm Products.
Table No. 1—Field Crops
Table No. 4-Live Stock on Hand July 1, 1918, Viz.
Horses . \$ 5,764,451 Mules . 7,782,483 Milch Cows . 2,542,446 * All Other Cattle . 23,670,239 Other Cattle Shipped . 2,075,552 * Hogs on Hand . 8,767,353 Other Hogs . 11,478,002 Sheep and Gouts . 492,847
Table No. 5—Poultry and Products\$ 5,993,243
Table No. 6—Dairy and Products 6,017,296 Table No. 7—Miscellaneous Products 312,992

*There were \$5.689 cattle exported from the counties and State by packers and feeders in and out of the State. valued at \$2.075,552.

U. S. Department of Agriculture,

CLIMATOLOGICAL SERVICE

of the

WEATHER BUREAU

Central Office: Washington, D. C.

FLORIDA SECTION,

Prof. A. J. Mitchell, Meteorologist, Year 1918.

ANNUAL SUMMARY, CLIMATOLOGICAL SERVICE, FLORIDA SECTION.

GENERAL SUMMARY.

The cold weather of December, 1917, persisted during January, 1918, the deficiency of 5.2° and the minimum of 11° during the month marking the abnormal thermal condition of the year. These negative conditions were followed by temperature inversions of 6° and 4° during February and March, respectively. The rest of the year conformed more nearly to the normal from a temperature viewpoint, except that July and September were exceptionally cool, October unusually warm, and December quite mild as compared with the normal. The mean annual temperature, 71.3°, was the highest since 1892, except 72.3° in 1911 and 71.5° in 1907. The year averaged not so dry as 1917, the deficiency being 2.10 inches compared with 12.72 inches for the previous year. February was nearly 3 inches drier than usual and April was 3.59

inches too wet. The excess for April was the more marked, as that month is normally one of the driest of the year.

The progress of crop development, as influenced by the several weather elements, was reflected in the somewhat backward growth in January, owing to the low temperature and local drought. The warmth of February and Mach was favorable, but dry weather continued to be an unfavorable factor. The draught was relieved, however, by quite general and heavy rains in April, although cool nights during April and May retarded the growth of some cotton and corn. The boll weevil appeared during May, but the absence of frequent showers during much of the growing season tended to reduce the damage to cotton from that source. The last quarter of the year was unusually wet, delaying harvesting to some extent. But the absence of the usual frost in November, and occasionally in October, prolonged the growing season to the advantage of cane, sweet potatoes and truck. Citrus fruits matured earlier than usual. The excessive rains during November and December were somewhat unfavorable for the crop as a whole. Some fall seeding was done, and at the close of the year oats were promising in northern and central divisious.

THE WEATHER BY MONTHS.

January.—The cold weather of December continued into January, making it exceptionally cold during the first and second decades. The minimum temperature, 11°, was the record for January. The rainfall averaged about the normal, although droughty conditions continued on the southeast coast at the close of the month. Truck, such as cabbage, lettuce, celery and beans, recovered slowly from the cold of December. Citrus growth was somewhat backward. Plowing began for general crops. And a large acreage was planted to Irish potatoes.

February.-The month gave excessive temperature, and

it averaged the warmest February of record. It was, also, unusually dry, breaking previous records, except 1911, when the average was 0.19 inch. The warm weather favored rapid growth of truck, although it was retarded in some districts by droughty conditions. Much corn was planted and some cotton. Citrus bloom was irregular, being profuse in some groves and much below the average in other groves—due to insufficient rain.

March.—The warm weather of February continued, practically, throughout the month, as did, also, the more or less widespread drought of February. No frost was reported from any station, the lowest temperature being 38°. Farm work was well advanced, the rains during the last week having improved the condition of the soil. The hulk of the cotton, corn, cane and peanut crops was planted and some early corn was worked. Citrus bloom was not up to the average. Truck shipments were increased during the last part of the month.

April.—There was a reaction from the warm weather of the previous several months to colder, especially from the 11th to 13th, with freezing in interior of north portion and frost locally in the central division. In contrast to a normal April, which is generally dry, the month was one of the wettest of record. Germination was delayed and early cotton and corn were retarded hy low temperature, and much cotton was plowed up and planted to corn. Some early corn and cotton were worked. The rain benefited citrus fruits. There was some damage from local hail storms.

May.—May averaged cooler and drier than the normal. Rains were insufficient, except during much of the second and third decades, when showers were frequent in all divisions, except the western. The boll weevil increased with the showers and much cotton was plowed up and land planted to corn and peanuts. Large shipments of tomatoes and Irish potatoes were made and a few peaches

and melons went forward. The setting of sweet potato slips was backward.

June.—Like May, the month was drier than the normal, although showers occurred almost daily in most counties after the first few days. The insufficiency of rain was most pronounced in the western division, where corn was unfavorably affected, but cane, tobacco and peanuts did well on low lands. Cotton, also, was benefited, as the dry weather retarded the weevil activity. A local storm on the 17th in Gadsden County damaged corn, cane, tobacco and timber to the extent of about \$34,000. Pvt. Henry C. Rich, U. S. A., was killed by lightning at Camp Johnston on the 14th.

July.—The monthly mean temperature was 1.2° below the normal, and the rainfall averaged 1.71 inches less than usual. Corn, especially in the western division, was unfavorably affected by the dry weather. Some early planted cotton began to open and picking began; in fact, several bales were ginned during the last week of the month. The dry weather retarded boll weevil activity. Cane, peanuts, castor beans, citrus fruits and sweet potatoes were promising. Most crops were "laid by." Robert Singleton, Titusville, was killed by lightning on the 2nd.

August.—Nearly normal temperatures, except high midday temperatures during the forepart of the month, and drier than usual, especially in the Miami section, characterized the weather during August. Cotton picking was generally active and much of the corn crop had matured. Citrus fruits, sweet potatoes, peanuts and castor heans were fair to good, although more rain was needed locally for canc, sweet potatoes and seed beds. Some Irish potatoes were planted. One death resulted from lightning during the month.

September.—The month was cooler than the normal, and it continued relatively dry, as were the several immediately preceding, although showers were frequent in much of the section. Rains were least frequent in the

western division. The chief incidence of the month was the disturbance that passed eastward from the west Gulf coast during the night of the 27th. It approached the coast over Pinellas County, where damage approximating \$250,000 was done and 8 or 10 lives were lost. Much of the cotton, corn and peannt crops were harvested. Citrus fruits did well.

Octoher.—The month was unusually warm and wet, the rainfall exceeding the normal hy more than 1 inch and the temperature hy about 4 degrees. The average number of rainy days, 12, compares wit ha normal of about 9. The weather was favorable for sweet potatoes, cane and some truck, but cotton picking was at a disadvantage, and considerable hay was lost as a result of frequent rains. Much corn, velvet heans, peanuts and practically the last of the cotton crop were harvested. Citrus fruits were well advanced toward matnrity. The minimum temperature, 50°, was the highest minimum since 1891, and it compares with 25° in October, 1917.

Novemher.—The month was moderately cool on an average, hat the lowest temperature, 29°, was the highest for the month during the last ten or fifteen years. The month averaged unusually wet, due to the rain of the last week. The first two decades were draughty to the extent of retarding the growth of truck, and in some instances delaying the seeding oats. The peanut and sweet potato crops were harvested. Cane grinding continued and the shipment of citrus fruits increased.

December.—December averaged 1.5° warmer than usual with an excess of almost an inch of rain, the bulk of which occurred during the last half of the month, although the first two days were featured by general and particularly heavy rains over most of the State. The lowest temperature occurred on the 29th, which was the date of the first killing frost of the season. Otherwise the temperature was mostly mild. Owing to the absence of the usual frosts, truck was generally plentiful over all divisions.

340 COMPARATIVE ANNUAL DATA FOR FLORIDA.

		Tempera	ture.		Precipi	tation.
Year.	Менп	Departure From the Normal.	Highest.	Lowest.	Average.	Departure From the Normal,
1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1906	70.4 71.0 71.2 69.9 71.0 71.2 70.5 71.0 70.7 68.8 70.8 69.8 69.9 70.5 70.9 71.5	$\begin{array}{c} -0.2 \\ +0.4 \\ +0.6 \\ -0.7 \\ +0.4 \\ +0.6 \\ -0.1 \\ +0.1 \\ +0.2 \\ -0.8 \\ -0.7 \\ -0.1 \\ +0.3 \\ +0.9 \end{array}$	101 104 101 100 103 104 102 104 107 105 105 105 103 101 100	22 19 12 11 20 17 17 	47.99 53.01 52.51 45.50 49.62 56.69 48.36 53.93 61.19 58.47 51.24 55.79 48.15 61.43 53.76 49.15	- 4.4 + 0.6 + 0.1 - 6.9 - 2.7 + 4.2 - 4.0 + 1.5 + 8.7 + 6.0 - 1.1 + 3.3 - 4.2 + 9.0 - 3.2
1908	71.2 71.1 69.2 72.3 71.1 71.2 70.3 70.4 71.1 70.3 71.3	+0.6 +0.5 -1.4 +1.7 +0.6 +0.7 -0.1 +0.3 -0.7 +0.5	103 103 102 104 104 104 107 105 102 102	20 16 19 15 21 23 19 23 21 13	48.54 49.52 50.88 47.40 64.88 48.02 49.08 56.30 47.10 41.36 50.09	- 3.2 - 3.8 - 2.8 - 1.5 - 5.0 +11.6 - 6.2 - 4.6 + 1.2 - 6.2 - 12.7 - 2.1

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MONTHLY SUMMARY, 1918.

Temperature.						pita- n.	Average Num- ber of Days.				Wind
Month.	State Average.	firparture from Normal.	IIIghest.	Lowest.	State Average	Departure from Normal,	Rainy, 0,01 inch or More.	.lear.	Unrtly Cloudy,	Cloudy.	orredton.
January February March April May June July August September October November December	65.9 69.8 69.1 76.0 80.4 80.2 81.5 77.6 76.6	+4.2 -0.9 -0.8 +0.0 -1.2 +0.2 -1.8 +3.9 -0.4	92 92 96 97 106 101 104 98 96	57 58 44	0.81 2.53 5.55 2.43 5.12 5.50 5.73 6.42 5.84 3.45	+0.27 -2.80 -0.62 +3.59 -1.09 -1.60 -1.71 -1.08 -0.70 +1.42 +1.62 +0.90	7 4 7 9 6 11 12 12 11 12 6	17	10 10 10 13 13 14	- 4 5 7 3 5 5 4 6 9 7	nw. sw. sw. se. sw. sw. se. ne. ne.
Year	71.3	+0.5	106	11	50.09	2.10	105	168	124	73	sw.

342 KILLING FROSTS, 1918.

•		
STATIONS.	Last in Spring.	First ln Autumn.
		1
Northern Division.		
Archer	•	Nov. 14
Bristol	April 12	Nov. 13
Camp Johnston	•	Dec. 29
Carrabelle	7 00	Dec. 29
Cedar Keys	Jan. 23	Dec. 29
Crescent City	Jan. 24	Dec. 29 None
Federal Point	Jan. 24	
	April 12 Feb. 5	Nov. 13
Fernandina	Feb. 5 Feb. 5	None Dec. 29
Hllfard	Feb. 6	Dec. 29
Jacksonviile	Feb. 6	Dec. 29
Jasper	Feb. 6	Dec. 29
Johnstown	Feb. 6	Dec. 29
Lake City	Feb. 6	Dec. 29
Live Oak	Feb. 6	Dec. 29
Macclenny	Feb. 6	•
Madison	April 12	Dec. 29
Middleburg	Feb. 6	Dec. 29
Montlcello	Feb. 6	
Morton's Farm	Feb. 6	Dec. 29
Mount Pleasant	April 12	Nov. 13
Old Twon	*	Nov. 14
Quincy	April 12	Nov. 13
St. Augustine	Jan. 24	Dec. 29
Satsuma Helghts	Jan. 23	Dec 29
Switzerland	Feb. 6	Dec. 29
Tallahassee	Feb. 5	Dec. 26
Central Division.	•	
Bartow	Jan. 24	None
Brooksville (1)	Jan. 24	•
Brooksville (2)	Feb. 5	Dec. 29
Bushnell		•
Clermont	Jan. 13	None
DeLand	Jan. 24	Dec. 29
Eustis	Jan. 24	None
Fellsmere	Jan. 24	None
Fort Meade	Jan. 24	None
Fort Pierce	Jan. 2	None 1
Inverness		None
Kisslmmee		None
Lucerne Park	Jan. 4 Jan. 13	None None
Malabar	Jan. 13	None /
	Feb. 5-	None

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KILLING FROSTS, 1918-Continued.

STATIONS.	Last In Spring.	First in Autumn.		
derritts Island	Jan. 5	None		
New Smyrna	Jan. 24	None		
Ocala	Feb. 6	Dec. 29		
keechobee	•	None		
Prange City	Feb. 6	Nov. 21		
Orlando	Jan. 24	None		
Pinelias Park	Jan. 24	None		
Plant City	Jan. 24	None		
Rockwell	•	•		
it. Cloud	Jan. 24			
t. Leo	Jan. 24	Dec. 29		
t. Petersburg	Jan. 4	None		
lanford	Jan. 24	Dec. 29		
ampa	Jan. 4	None		
Carpon Springs	Jan. 24	None		
Iltusville	Jan. 24	None		
	Juli. 21	.,,,,,,		
Southern Division.	١ .			
rcadla	†Jan. 19	•		
von Park	Jan. 4	None		
Soca Grande	•	None		
Bradentown	Jan. 24	None		
avie	Feb. 5	None		
ort Lauderdale	Jan. 13	None		
ort Myers	Jan. 5	None		
rlfiln	Jan. 25	None		
Fomestead	Jan. 4	None		
Lypoluxo	Jan. 5	Dec. 29		
Key West	None	None		
	None	None		
ong Key	Jan. 4	None		
Ilami (1)	Jan. 4	None		
fiami (2)	Jam. 4	†None		
Ioore Haven	None	inone		
'unta Gorda /	Jan. 24	Mana		
titta	None	None		
and Key	моне			
Western Division.				
palachicola	•	Dec. 3		
Bonifay	Feb. 5	Dec. 26		
DeFunlak Springs	April 12			
Parniers (near)	April 13	Dec. 2		
Jarianna	April 13	Dec. 26		
Molino	†	#		
ensacola	Jan. 23	Dec. 26		
GIDGCUIG		-		
St. Andrews	April 11	Dec. 29		

^{*} Record incomplete, † Data incomplete, but this date probably correct.

CLIMATOLOGICAL DATA FOR THE YEAR 1918.

. \			TEMPERATURE IN DEGREES FAHRENHEIT								
STATIONS.	COUNTIES	Elevation, feet.	Length of Record, years.	Annual Mean.	Highest.	Date,	Lowest.	Date.			
Northern Division.]						
Archer	Alachua	92	33		103	June 2					
Bristol	Llberty		9		99	Aug. 16		Jan. 1			
Camp Johnston	Duval		i		101	Aug. 15					
Carrabelle		10	20		101	Aug. 15					
Cedar Keys			30		97	July 23;	23	Jan. 1			
Crescent Clty			20	71.0	103	Aug. 15	22	Jan. 1†			
Federal Point			27	71.2	104	Aug. 15	22	Jan. 13			
Fenholloway			12	69.1	103	June 3	15	Jan. 1			
Fernandina			26	69.0	100	Ang. 14	23	Jan. 1			
Gaineaville			23	69.8	100	June 3t	18	Jan. 1			
Hilllard			10	69.1	102	Aug. 15	16	Jan. 1			
Jacksonville			48	69.2 .	96	Aug. 15	21	Jan. 1			
Jasper			17								
Johnstown	Bradford	125	20	68.8	99	Aug. 15	17	Jan. 1			
Lake Clty			35	69.1	106	June 3	16	Jan. 1			
Live Oak			18								

Macclenny	Raker	125	23		1		16	Jan. 1
Madlson		143 -	19	69.0	103	Aug. 15	17	Jan. 1†
Melrose		163						
Mlddleburg		14	18	69.1	100	June 3†	18	Jan. 1
Monticello		207	15				16	Jan. 1
Morton's Farm		15	3				19	Jan. 1
Mount Pleasant		306	13		103	June 3	11	Jan. 13
Old Town			1		102	June 3†	4	
Quincy			4	67.7	102	June 3†	12	Jan. 13
St. Augustine	St Johns	10	67	69.7	98	Aug. 15	22	Jan. 1
		98	11	71.8	99	Aug. 15	21	Jan. 1
Satsuma Heights		14	26	. 1110	1 100	Aug. 15		
Switzerland		192	32	68.3	101	June 3†	18	Jan. 13†
Tallahaesee	Leon	192	92	90.0	101	ounc of		
Cantana Districtor				-		, i		
Central Division.								ಲು
-	Ti. 11.	115	32	72.3	₹ 97	July 26†	25	Jan. 2
Bartow			27	1	1	1	23	Jan. 4
Brooksville (1)		126	21	70.4	100	Aug. 15	22	Jan. 4
Brooksville (2)			! ! !	,	1			
Bushnell		80	1	****			28	Jan. 2
Clermont		105	26		100	A 35	20	Jan. 4
DeLand		27	22	·71.9	102	Aug. 16	23	'Jan. 2†
Eustla		56 -	28	72.1	102	June 3†	25	Jan. 2
Fellamere		25	5		05	Aug. 15	23	
Fort Mende	Polk	125	30	21.5	100	Aug. 15	31	
Fort Pierce		10	18	74.3	98	June 23	21	Jan. 2
Inverness		43	20		100	Aug. 15	3	*****
Isleworth		121	1.1		122	2	**	**************************************
Kissimmee		65	- 27	2212	99	June 3†	26	Jan. 5
Lakeland		227	4	73.5	96	July 8	30	Jan. 4
Lucerne Park	Polk	* 5 *	7		99	Aug. 15()	29	Jan. 2

	COUNTIES		TEMPERATURE IN DEGREES FAHRENHEIT										
STATIONS.		Elevation, feet.	Length of Record. years.	Annual Mean.	Highest.	Date.	Lowest.	Dațe.					
	arionrevard	28	27	73.9	101	June 23	28	Jan. 2					
	range	176	22	71.8	100	Aug. 15	23	Jan. 2	33				
	revard	20	36	72.7	94	Aug. 15	31	Jan. 2	1 to 3				
New-Smyrna Vo		14	34	70.0	96	July 8	23	Jan. 2	1				
Ocala Mo	arion	98	27	68.8	99	June 3	22	Jan. 1					
	keechobee		1										
Orange City Vo		39	25		103	Aug. 15	18	Jan. 2					
OrlandoOr	range	111	27	72.6	101	Aug. 15	26	Jan. 2†					
Pinelias Park Pi	ineilas	20	7	72.4	97	Aug. 7	27	Jan. 4					
Piant City Hi	ilisboro	121	26		98	Aug., 14	26	Jan. 2					
Rockwell Mi	arion	54	17		103	June 3	20	Jan. 1					
St. Cloud Os	sceoia		5		*::		27	Jan. 2†					
St. Leo Pa	B8C0	190	, 24	71.0	98	Aug. 15	27	Jan. 2†					
St. Petersburg Pi	inellas	111	4	73.9	96	Aug. 15	34	Jan. 2					
Sanford Se	eminole	25	11	-71.5	100	June 2	24 ,	Jan. 2†					
Tampa Hi	llisboro	104	29	73.1	98	June 3	31	Jan. 4					
Tarpon Springs Pl	nelias	20	34	72.3	96	Aug. 27	26	Jan. 4					
	revard	16	23 .	71.9	99	June 3	24	Jan. 2					
Southern Division.			,										

		,							
Arcadia	DeSoto		17	1			27	Jan. 13	
Aven Park	DeSoto	150	(20	72.9	96	June 3†	31	jJan. ₃i	
Boca Grande		11	3	(96	Aug. 4			
Bradentown	Manatee	22	35		98	July 21	28	Jan. 2†	
Davie	Broward	10	6	73.0	96	Aug., 15	23	Jan. 4†	*
Fort Lauderdale		- 10	6	74.7	97	Aug., 15	32	Jan. 2	
Fort Myers		12	47	73.4	95	July 22	32	Jan. 5	
Griffin		12	6				26	Jan. 4	
Homestead		13	9	74.5	96	July 9	27	Jan. 4	
Hypoluxo		9	24	74.8	97	Juae 23	29	Jan. 2	
Key West	Monroe	15	48	77.4	92	Aug. 19	. 46	Jan. 4	
Lock No. 1									
Long Key		9	3	77.5	94	June 15†	42	Jan., 4	
Mlami (1)		83	17	74.6	92	Aug. 15	32	Jan. 14	
	Dade	10	8	75.7	96	Aug. 15	31	Jan. 4	+
Moore Haven			1		98	Aug. 15	1.0		
Punta Gorda		7	4	Í I		Í	34	Jan. 1	လွ
Ritta		18	6	l (98	Aug. 15			347
Sand Key		42	13	1 ' !	89	July . 19†	50	Jan. 4	
							,		
Western Division.							_		
							1		
Apalachicola	Franklin	24	15		101	Aug. 15	20	Jan. 1	
Bonlfay		111	13	68.2	101	Јине 16	15	Jan. 13	1.
DeFuniak Springs		193	21	.4	102	June 16†	15	Jan. 13	
Garnlers (near)		22	6		101	Aug. 15†	13	Jan. 12	
	Jackson	120	17	67.6	103	Aug. 16	15	Jan. 1†	
Molino	Escambia	49	16	· · · · · ·	.101	Aug. 15	18	Jan. 12	- 1
Pensacola		151	39	67.6	99	Aug. 16	18	Jan. 12	
St. Andrews	Bay	14	22		102	Aug. 16	16_	Jan. 1	
Wausau		250	20	67.9	104	June 16	15	Jan. 1†	

[†] On other-dates also.

			PRECI	PITATI	PRECIPITATION, IN INCHES.							
STATIONS.	COUNTIES.	Length of Record, years.	Total for Year.	Greatest . Monthly.	Month.	Least Monthly.	Month.	Number of Rainy Days.	Number of Clear Days.	Number of Partly Cloudy Days.	Number of Cloudy Days.	Prevailing Wind Direction.
Northern Division.												
Bristol	Franklin Levy Putnam Putnam Taylor Nassau Alachua Nassau Duval Hamilton Bradford	20 32 20 27 12 26 30 10 48 17	49.34 39.12 51.72 46.61 49.02 41.69 48.26 47.54 39.55 50.54 53.22	6.13 6.07 10.82 8.82 10.20 7.19 10.21 6.88 6.17	June July Oct. Oct. July April Aug. Sept. Sept. Aug. April	0.38 0.30 0.22 0.03 0.56 0.17 0.25 0.63 0.21 0.21 0.25 0.39	Feb. Oct. Feb. Feb. Feb. Feb. Feb. Feb. Feb. Feb	77 66 109 126 140 101 100 122 101 124	242 198 109 172 61 153 203 141	67 131 153 148 233 138 126 124	56 36. 103 45 71 74 36 100	w. ne. Be. ne. sw. ae. sw.

11												
Macclenny	Baker	23		* 1.41				200			•••	
Madison	Madlson	19	54.35	7.45	April	1.67		1.1.1				
Melrose	Afachua	5	45.01	6.85	oct.	0.10	Jan.	132		1.22	1 1 1 1	80.
Mlddleburg	Clay	18	47.71	10.65	Aprll	0.20	Feh.	111	226	96	43	
Monticello	Jefferson	. 15					Feb.	78				
Morton'a Farm		1 3									114	
Mount Pleasant		13										
Old Town		1										SW.
Quincy	Gadsden	4	60.23	8.11	April	0.99						
St. Augustine	St. Johns	50	38.46	5.71	Aprll	0.60	Feh.	117	192	78	95	ßW.
Satsuma Helghts	Putnam	11	53.95	10.06	Oct.	0.06	Feh.	80				ne.
Switzerland		27	49.29	8.21	June	0.60	Feb.	126				
	Leon	34	47.01	8.16	Dec.	1.18	Feb.	95				е, .
					1	l i		1				
Central Division.					,	' . I						
001112111 21110101					-							
Bartow	Polk	33	53.05	10.19	June	0.74	Feb.	124	117	209	39	ge,
Brooksville (1)		27				1		1				
Brooksville (2)	Hernando	7	59.89	8.11	Aug.	1.62	Feb.	135	157	129	79	ne.
Bushnell		i		k		l i						
	Lake	26										
DeLand		16	51,66	7.71	July	0.21	Feh.	119				sw.
Eustls	J 1	28	62.06	13.28	Oct.	0.06	Feb.	110	234	65	66	ne.
Fellsmere		7	45.98	9.56	Sept.	1.49	Nov.	134	172	136	57	ne.
Fort Meade		36	47.69	9.12	Sept.	1.43	May	120		100		BW.
						0.69	Feb.	143	114	177	74	80.
	I Die Tanaia	9.4	56 26									
Fort Pierce		24	56.36	14.22	Sept.							e TH
Inverness	Cltrus	20	52.27	9.08	June	0.00	Feb.	92				sw.
Inverness	Citrus	20 3	52.27 47.48	9.08 7.57	June April	0.00	Feb. Feb.	92 70				
Inverness	Citrus Orange	20 3 27	52.27 47.48	9.08 7.57	June Aprll	0.00	Feb.	92 70				e.
Inverness	Orange Osceola Polk	20 3	52.27 47.48	9.08 7.57	June April	0.00	Feb. Feb.	92 70				

CLIMATOLOGICAL DATA FOR THE YEAR 1918-Continued.

			PREC1P	1TATIO	N, IN I	NCHES				SKY.		
	COUNTIES.	Length of Record, years.	Total for Year.	Greatest Monthly.	Month.	Least Monthly.	Month.	Number of Ratny-Days.	Number of Clear Days.	Number of Partly Cloudy Days.	Number of Cloudy Days.	Prevailing Wind Direction.
Lynne (near)	Marlon	5	48.24	7.87	June	0.06	Feb.	114				ew.
Malabar	Brevard	27	44.73	9.57	Sept.	0.10	May	103		1		ge.
McDonald	Orange	16	55.59	10.82	June	0.10	Feb.	119				ne.
Merritts Island		40	55.36	136	Qct.	[, 0.37]	May	108	231	90	44	86.
New Smyrna		35	44.65	7.52	Oct.	0.40	May	110	138	188	39	ne.
Ocaia	Marion	27	65.09	11.76	Aug.	2.26	Feb.	98				
Okeechobee	Okeechobee .	1										
Orange City		28	47.50	8.81	Sept.	0.48	Feb.	113	120	194	51	8e.
Orlando		27	56.32	12.30	July	0.14	Feb.	139	172	177	16	n.
Pinellas Park	Pinellas	7	40,07	7.50	Sept.	0.10	Feb.	124				W.
Plant City		26	49.10	10.12	Aug.	Ť	Feb.	83	194	115	56	ne.
Rockwell		19						1				
St. Cloud	Osceola	5										
St. Leo	Pasco	24	54.37	10.27	Ang.	1.12	Feb.	123	197	113	55	e.
St. Petersburg		-4	45.46	8.55	Aug.	0.12	Feb.	125	162	123	80	ne.
Sanford		11	45.03	7.48	Oct.	0.11	Feb.	112	175	77	110	ne.
Tampa		29	35.81	8.11	Aug.	0.08	Feb.	106	82	174	109	ne.
Tarpon Springs		27	44.41	10.35	Aug.	0.26	Feb.	89	204	70	91	W.
Titusville	Brevard	23	45.70	8.05	Sept.	0.25	Feb.	121			• • •	80.

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Arcadia Avon Park Boca Grande Bradentown Davie Brot Lauderdale Brot Myers Criffin Homestead Hypoluxo Key West Mon Miami (1) Miami (2) Moore Haven Des Ritta Bro Des Des Des Des Des Des Des Des Des Des	doto	46.18 48.07 58.66 58.00 40.06 64.96 54.06 29.77 62.96 42.66 43.33 50.39	9.60 	Aug. Aug. Sept. Oct. Aug. June Oct. Oct. Sept. Oct. Sept. Aug.	0.23 0.20 0.61 0.48 0.61 0.27 0.12 0.90 0.26 0.60 0.72 	Feb. Nov. Jsn. Nov. Feb. Feb. Jan. Feb. Nov. Nov. Nov.	108 102 120 142 121 121 120 96 129 97 134 156	154 200 183 197 223 191 263 120 	146 96 111 84 94 113 80 159	65 69 71 84 48 61 22 86 64	ė. sw. e. e. e. e. e. e. ne. p. ne. e.
Western Division. Apalachicois Fra Bonifay Hol DeFunlak Springs Wa Garniers (near) Oks Marianna Jac Molino Esc Pensacois Esc St. Andrews Bay Wausau War	mes 13 iton 21 iloosa 6 kson 13 ambis 16 ambia 35	69.58 60.36 59.69 68.34 59.39	10.87 9.55 11.43 : 14.79 11.76 9.13	April Nov. April Nov.	0.99 0.50 1.10 0.32 0.96 1.41	Mar. Mar. Mar. Mar. Mar. June	93 82 101 111 96 80	117 127 191	167 106 122	81 132 52	n. nw. sw. n. ne. s.

[†] Amount too small to measure.

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	Jar	uary.	Feb	ruary.	M	arch.
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	D ерагічге.
Northern Division.		1				
Archer Bristoi Camp Johnston Carrabelle Cedar Keys Crescent City Federai Point Fenholloway Fernandina Gainesville Hilliard Jacksonville Jasper Johnstown Lake City Live Oak Maccienny Madlson Melrose Middleburg Monticello Morton's Farm Mount Pleasant Old Town Quincy St. Augustine Satsuma Heights Switzerland Taliahassee Central Division.	4.31 4.31 2.41 3.23 3.10 3.45 2.90 2.83 2.78 3.40 4.08 4.08 4.89 1.67 2.74 3.83 1.84 2.88 3.75	+ 0.58 - 0.46 0.34 - 1.24 - 0.21 + 0.58 + 2.31 - 2.09 2.35 - 2.35 - 1.70	0.69 0.22 0.03 0.56 0.16 0.25 0.39 0.39 0.30 0.41 2.40 0.20 0.25 1.09 0.40 0.20 0.45	- 2.03 - 3.42 - 3.29 - 3.576 - 2.76 - 3.22 - 2.38 - 3.62 - 3.64 - 2.20 - 3.44 - 3.64 - 4.89	1.74 2.54 2.25 1.28 3.65 1.98 3.18 2.61 2.60 3.18 2.54 1.49 3.41 1.49	- 0.29 - 0.86 + 0.37 7 1.26 - 1.21 - 2.35 - 1.16 - 1.02 - 1.27 - 0.73 - 0.49 - 1.82
Bartow		+ 0.89 + 0.78	2.15	- 2.14 - 1.27	3.79	+ 9.06 + 1.47

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	Jan	uary.	Feb	ruary.	M	arch.
Stations.	Precipitation.	Departure.	Precipitation.	Doparture.	Precipitation.	Departure.
Bushnell Clermont DeLaud Eustis Fellsmere Fort Meade. Fort Plerce Inverness Isleworth Kissimmee Lakeland Lucerne Park Lynne (near) Malabar McDonald Merritts Island New Smyrna Ocala Okeechobee Orange City Orlando Pinellas Park Plant City Rockwell St. Cloud St. Leo St. Petersburg Sanford Tampa Tarpon Springs Titnsville	2.36 3.38 2.90 3.51 4.29 2.77 2.99 3.47 3.65 4.33 3.64 2.90 4.93 3.72 2.81 2.42 3.03 4.09 2.61 3.68 4.77	+ 0.31 + 0.12 + 0.18 + 1.36 	0.06 1.64 1.68 0.69 0.00 0.68 † 0.06 0.44 0.10 0.94 0.10 0.51 0.25 1.12 0.11 0.08 0.26	- 3.16 - 2.98 - 0.96 - 2.17 - 3.29 - 2.92 - 1.91 - 2.89 - 1.69 - 2.51 - 1.01 - 2.20 - 2.60	3.04 1.48 2.04 4.38 3.69 2.34 4.16 4.88 5.27 2.57 2.57 1.49 2.77 2.77 2.77 3.33 2.44 3.33 0.50 1.51	+ 1.58 + 1.54 + 0.88 + 1.86 - 0.50 + 1.21 + 1.09 - 0.06 - 0.95 - 0.62 + 0.90 - 0.62 + 0.76
Southern Division. Arcadia		+ 1.61 + 1.72 + 0.72				

²³⁻Com Agr

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

•	Jas	iuary.	Feb	ruary.	Ma	arch.
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Davie Fort Lauderdale. Fort Myers. Griffin Homestead Hypoluxo Key West Lock No. 1 Long Key. Miami (1) Miami (2) Moore Haven Punta Gorda Ritta Sand Key	0.81 0.48 3.39 0.81 1.60 1.01 1.05 0.90 1.31 1.06 2.20 1.99		2.11 1.18 1.53 0.92 0.40 0.27 0.12 1.67 0.26 2.51 2.21 0.25 2.28 0.07	- 0.70 - 3.11 - 1.52 - 0.19	5.06 3.79 1.06 2.89 2.78 6.43 2.65 4.39 3.59 1.48 2:13 1.02 2.75 4.03	- 0.99 + 3.99 + 1.17
Western Division. Apalachicoia Bonifay DeFuniak Springs Garniers (near) Marianna Molino Pensacola St. Andrews Walisau	3.68 5.21 2.42 4.98 3.90 5.30 4.69 4.03	+ 0.80 - 1.47 + 0.44 + 0.65 + 1.49 + 1.26	3.55 1.20 2.47 1.95	- 5.54 - 3.56 - 4.08 - 2.47 - 3.65	0.99 0.41 0.50	- 4.13 - 5.04 - 2.85

[†] Amount too small to measure.

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

•	A	pril.	ħ.	iay.	J	une.
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Northern Division. Archer Bristol Company Johnston	10.36		0.95 4.20 3.19		10.00 6.53 4.71	
Camp Johnston Carrabelle Cedar Keys Crestent City Federal Point Fenholloway	4.89 4.20 5.53 7.87 7.07	+ 2.58 + 2.49 + 3.45	4.12	+1.40 + 0.77	6.13 4.40 6.64 2.70	+ 1.26 - 1.29 + 0.85 - 3.29
Fernandina Gainesville Hilliard Jacksonville Jasper	7.19 5.11 6.04 5.96	+ 4.70 + 3.20	0.77 2.72 1.93 2.50 3.47	- 2.62 - 0.38 - 1.75 - 0.54	4.84 4.61 4.51 3.32 10.41	- 0.06 - 2.09 - 2.21 + 3.73
Johnstown Lake City Live Oak Macclenny Madison	7.92 8.43 7.45	+ 5.69 + 4.58	1.94 1.65 3.09	-2.49 -1.04	7.06	÷ 1.21
Melrose Middleburg Monticello Morton's Farm Mount Pleasant	10.65 5.53 7.71 8.54	+ 7.86 + 2.31 + 4.86	1.66 3.764 0.83 1.81		2.64 4.32 3.67 6.59	+ 0.48
Old Town Qnincy St. Augustine Satsuma Heights Switzerland	8.11 5.71 5.48		1.39	- 1.42 - 0.54	7.09	- 2.11 + 2.83
Central Division.	6.12	+ 2.97	5.28	1.55	5.68	0.78
Bartow	6.39	+ 1.35 + 4.30	2.65		3.63	-3.73

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

*	A	pril.	79	ďay.	J	une.
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Bushnell Clermont Deland Eustis Feilsmere Fort Meade Fort Pierce Inverness Isleworth Kissimmee Lakeland Lucerne Park Lynne (near) Malabar McDonald Merritts Island New Smyrna Ocala Ocala Ockeecnobee Orange City Orlando Pinellas Park Plant City Rockweii St. Cloud St. Leo St. Petersburg Sanford Tampa Tarpon Springs Titusville Southern Division.		+ 4.09 + 2.62 + 2.35 + 1.17 + 4.25 + 3.63 + 4.93 + 0.74 + 5.53 + 0.74 + 4.87 + 3.2* + 6.22 + 1.66 + 3.76 + 1.81	2.69 1.47 1.02 1.43 1.35 1.64 2.89 4.08 3.41 1.57 0.10 0.37 0.40 2.81 0.77 2.11 2.15 3.42 0.66 1.74 2.75 0.90 2.11 65	- 2.21 - 2.48 - 3.02 - 2.80 - 2.51 - 2.22 - 3.95 + 0.43 - 3.38 - 2.90 - 0.82 - 1.70 - 0.80 - 0.77	6.30 9.08 6.00 3.47 5.71 7.87 2.49 10.32 4.78 4.28 5.52 5.37 2.54 4.73 6.60 8/33 6.81 4.02 2.81 1.26 1.92	- 1.41 - 0.60 - 3.97 - 1.00 - 2.98 - 2.93 + 5.07 - 1.21 - 1.21 - 1.94 - 1.76 - 1.89 - 2.01
Arcadla	2.64	+ 0.69	0.61	4.25		- 3.39

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	A	pril.	1	lay.	J	une.
Stations.	Precipitation.	Departure,	Precipitation.	Departure.	Precipitation.	Departure.
Bradentown Davie Fort Laudercale Fort Myers Griffin Homestead Hypoluxo Key West Lock No. 1 Long Ney Miami (1) Miami (2) Moore Haven Punta Gorda Ritta Sand Key	6.90 7.51 1.36 3.28 5.61 9.30 2.80 3.22 2.12 4.49 3.82 2.05	+ 6.57 + 1.50 + 1.90	3.79 7.23 4.23 2.48 3.81 1.23 5.19 4.61 2.87 2.80 0.35 1.84 0.90	- 1.46 - 4.72 + 1.83	7.65 2.55 3.60	- 2.49 - 4.19 - 3.82 - 1.72
Western Division.	. 1					
Apaiachicola Bonifay } DeFuniak Springs Garniers (near) Marianna Molino Pensacola St. Andrews Wausau	11.34 8.98 9.55 7.37	+ 7.42 + 5.85 + 4.26 + 10.74 + 9.40	1.36 2.56 2.14 2.95	- 1.46 - 2.76 - 1.51 - 0.71 - 1.53 - 0.99 + 3.87	1.75 2.38 4.57 2.40 2.39 2.49	+ 0.83 - 3.52 - 3.29 - 2.45 - 2.48 - 2.64 - 4.33

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	J	uly.	Αu	gust.	Septer	nber.
Stations.	Precipitation.	Departure.	Precipitation,	Departure.	Precipitation.	Departure.
Northern Division.				:`		
Archer Bristol Camp Johnston Carrabelle Cedar Keys Crescent City Federal Point Fenholloway Fernandina Gainesville Hilllard Jacksonville Jasper Johnstown Lake City Live Oak Macclenny Madlson Melrose Middleburg Monticello Morton's Farm Mount Pleasant Old Town Quincy St. Augustine Satsuma Heights Switzerland Tallahaasee	6.80 6.33 4.89 6.07 3.88 3.11 10.20 1.70 4.36 4.44 3.35	- 4.30 - 2.86 - 2.85 - 0.21 - 5.96 - 2.48 - 1.12 - 2.36 - 3.19 - 4.80 - 2.65 - 1.91	8.76 4.28 3.07 3.15 8.33 6.11 6.36 3.28 10.21 5.93 3.12 4.24 8.55 5.36 5.34 4.42 6.11 6.97 5.26	- 4.09 - 5.11 + 1.15 - 0.99 - 2.88 + 3.34 - 3.09 - 3.72 - 0.34 - 2.82 + 1.32 - 1.41 - 2.22 0.60 2.78 - 0.87	5.89 5.11 6.54 5.20 3.55 5.89 6.18 6.88 6.17 5.05 5.77 4.80 5.26 6.01 3.85 5.01	$\begin{array}{c} -3.29 \\ -3.21 \\ -2.08 \\ -0.26 \\ -1.86 \\ -0.21 \\ +0.39 \\ +0.40 \\ -1.39 \\ -1.25 \\ -3.17 \\ -3.17 \end{array}$
Central Division.						
Bartow Brooksville (1) Brooksville (2)	5.63 8.05	— 1.78	7.11 8.11	- 0.78	9.21 -	+ 1.20

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	J	uly.	Au	gust.	Sept	ember.
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Lynne (near) Malabar McDonald Merritts Island New Smyrna Ocala Okeechohee Orange City Orlando Pinellas Park Plant City Rockwell St., Cloud St. Leo St. Petershurg Sanford Tampa	8.21 8.01 6.33 9.99 10.37 7.64 5.11 7.65 5.60 7.19 2.86 12.30 5.75 8.82 7.14 6.02	- 0.18 - 3.13 - 2.79 + 2.78 - 1.94 - 3.10 - 2.39 + 2.21 + 0.05 - 0.82 - 2.47 + 5.05 - 0.16 - 1.67 - 1.86 - 1.86	4.56 6.30 3.95 4.76 3.85 2.25 8.05 5.75 7.01 1.76 3.43 2.01 3.27 11.76 3.34 6.81 10.12 5.10 10.27 8.55 2.88 8.11	- 2.88 - 0.14 - 4.38 - 3.38 - 3.59 - 1.01 - 3.86 - 3.52 - 2.63 + 1.27 - 3.51 - 3.66 - 3.66 - 1.094	5.83 5.04 9.52 14.22 14.22 6.73 6.34 10.40 4.84 9.57 6.34 9.10 6.60 7.50 5.05 5.05 5.29 6.38 7.39 3.36	- 0.89 + 0.52 - 1.31 + 0.89 + 7.13 + 0.59 - 0.49 - 0.49 + 2.14 + 1.76 - 1.29 + 2.31 - 0.79 - 0.79 - 0.48 - 1.18
Areadia	5.77 1.32	_ 2.08	9.50 4.01	+ 2.02	8.11 6.23	+ 2.30

CLIMATOLOGICAL DATA—Gontinued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	J	uly.	August.		September.	
Stations.	Precipitation.	Departure.	Precipitation.	Departure,	Precipitation.	Departure.
Bradentown Dayle Fort Lauderdale Fort Myers Griffin Homestead Hypoluxo Key West Lock No. 1 Long Key Miami (1) Miami (2) Moore Haven Punta Gorda Ritta Sand Key	7.56 6.00 3.93 6.43 6.04 1.72 6.74 5.42 4.01 6.60 2.87	+ 0.69 - 1.87 - 3.23	3.27 1.33 8.28 5.65 4.36 1.85 2.55 3.50 1.43 2.10 6.94	- 0.05 - 0.56 - 2.84 - 6.17	9.93 9.53 6.99 8.27 8.28 8.57 3.53 10.50 7.06 10.00 10.83 8.13 4.54	+ 0.04 - 3.26 + 0.45
Western Division.						1
Apalachicola Bonifay DeFuniak Springs Garniers (near) Marianna Molino Pensacola St. Andrews Wausan	6.92 4.86 8.03 4.89 6.02 5.01	-2.59	10.87 8.57 5.84 7.28 6.59 14.79 4.86	+ 6.19 - 0.67 + 1.82 - 0.57 + 7.63 - 3.64	1.85 2.76 2.53 2.85 3.30 3.44	+ 0.25 - 3.08 - 3.44 - 4.96 - 1.93 - 3.71 - 3.08

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	Oc	tober.	November.		December.	
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Northern Division.						
Archer Bristol Camp Johnston Cartrabelle Cedar Keys Crescent City Federal Point Fenholloway Fernandina Gainesville Hilliard Jacksonville Jasper Johnstown Lake City Live Oak Maccienny Madison Melrose Middleburg Monticello Morton's Farm Mount Pleasant Old Town Quincy St. Augustine Satsuma Heights Switzerland Tallahassee	4.06 8.74 5.04 0.30 10.82 8.32 0.91 3.79 3.81 3.98 3.97 5.56 3.42 2.29 4.29 2.55 6.85 6.37	+ 1.92 - 2.82 + 7.06 + 3.37 - 1.31 + 1.13 - 1.09 - 2.51 + 0.39 - 0.60 + 1.25 - 0.35 - 0.35	7.54 3.99 4.24 2.10 2.96 3.10 3.62 3.39 4.12 3.26 3.85 3.27 5.01 3.40 2.63 3.22 6.73 3.50 2.63	+ 3.41	2.86 5.50 5.19 3.05 3.32 4.48 2.60 3.84 1.95 4.92 4.50 4.85 3.37 3.05 5.7.99 4.75 8.04 2.95 4.52 2.73	+ 0.21 + 2.61 + 0.45 + 0.47 - 0.31 + 0.41 - 0.39 + 1.63 + 1.63 - 1.66 + 1.30 + 1.63 - 0.01
Bartow			2.52	+ 9.74	2.85	+ 0.46
Brooksville (2)	6.30		3.92		3.36	

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	October. November.		Dec	ember.		
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure,
Bushneil Clermont DeLand Eustis Fellsmere Fort Meade Fort Pierce Inverness Isleworth Kissimmee Lakeland Lucerne Park Lynne (near) Malabar McDonald Merritts Island New Smyrna Ocala Ocala Okeechobee Orange City Orlando Pinellas Park Plant City Rockwell St. Cloud St. Leo St. Petersburg Sanford Tampa Tarpon Springs Titusville Southern Division.	7.45 13.28 5.96 3.76 6.2.74 4.29 5.04 5.17 2.64 5.42 13.78 7.52 4.20 8.48 7.25 5.13 2.13 2.75 8.14 7.48 2.84 2.84 2.84 2.84 2.84 2.84 2.84 2	+ 0.56 - 0.52 + 0.97 + 7.97 + 1.53 + 1.41 + 4.07 + 2.10	0.89 4.99 3.38 5.35 4.10 2.45 1.91 3.33 3.88 1.98 3.15 5.90 4.51 5.61 4.40 2.30 3.07 3.22	+ 1.69 + 3.16 + 0.48 - 2.25 + 3.27 + 3.41 - 0.46 + 1.14 + 1.59 - 0.81 + 1.42 + 1.91 + 0.71 - 4.39 - 5.39 - 5.39 - 6.39 -	2.85 2.07 2.96 1.31 3.25 2.59 1.33 2.10 2.60 1.81 2.95 4.53 3.32 2.14 4.53 3.23 2.14 2.39 3.66 3.02 2.19 3.82	+ 2.88 + 0.53 - 0.96 + 0.47 - 1.11 - 0.70 + 0.46 - 0.64 + 0.44 + 2.05 + 1.26 + 1.08 - 0.22 - 0.30 - 0.17 + 1.38
Arcadia	3.82	- 0.57	2.01	+ 0.36	1.16	1.06

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	Oct	tober.	Nov	ember.	Dece	ember.
Stations.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Bradentown Davie Fort Lauderdale Fort Myers Griffin Homestead Hypoluxo Key West Lock No. 1 Long Key Miami (1) Miami (2) Moore Haven Punta Gorda Ritta Sand Key.	7.88 10.49 2.63 8.74 7.77 9.41 7.56 10.01 4.82 6.88 2472	5.72	0.61 0.93 0.61 1.04 0.88 1.24 0.38 1.05 0.31 0.60 0.72 0.98	+ 8.23 0.69 2.18 1.98	3.15 3.35 1.17 2.58 1.77 1.57 2.11 2.72 2.29 4.11 4.72 0.73	- 0.\$6 + 0.27 + 1.87
Western Division. Apaiachicola Bonifay DeFuniak Springs Garniers (near) Marianna Molino Pensacola St. Andrews Wausau	7.18 7.85 6.05 8.11 8.09 9.34	+ 3.04 + 4.80	7.77 5.23 11.43 4.58 5.50	+ 5.03 + 8.85 + 0.84	6.44 7.78 6.25 7.41	+ 6.36 + 3.47 + 2.08

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	Ang	ıual.
Stations.	Precipitation.	Departure,
Northern Division.		
Archer		
Bristol		
Camp Johnston		1
Carrabelle	49.34	- 3.43
Cedar Keys	39.12	- 9.41
Crescent City	51.72	+2.31
Federal Point	46.61	- 6.70
Fenholioway	49.02	
Fernandina	41.69	-10.76
Gainesville	48.26	- 0.49
Hilliard	47.51	
Jacksonville	39.55	-13.70
Jasper		
Johnstown	50.51	- 0.35
Lake City	53.22'	- 0.33
Live Oak		
Macclenny		
Madison	54.35	+ 0.40
Melrose	45.01	
Middleburg	47.71.	- 7.37
Monticello		
Morton's Farm		
Mount Pleasant		
Old Town		
Quincy	60.65	
St. Augustine	38.46	- 9.16
Satsuma Heights	53.95	
Switzerland	49.29	- 2.73
Tallahassee	47.01	-10.13
Central Division.		
Bartow	53.05	+ 0.51
Brooksville (1)	99.00	T V.31
APRIMITABLE TANKE TAR		

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

	Ann	ual.
Stations.	Precipitation.	Departure.
Bushnell Clermont DeLand Eustis Fellsmere Fort Meade Fort Pierce Inverness Isleworth Kissimmee Lakeland Lucerne Park Lynne (near) Malabar McDonald Msrritts Island New Smyrna Ocala Okeechobee Orange City Orlando Pinellas Park Plant City Rockwell St. Cloud St. Leo St. Fetersburg Sanford Tampa Tampa Tarpon Springs Titusville	51.66 52.06 45.98 47.69 56.36 52.27 47.48 50.40 48.24 44.73 55.59 55.36 44.65 65.09 47.50 56.32 40.07 49.10 54.37 45.46 45.03 35.81 44.41 45.70	+ 0.34 + 4.34 -10.40 + 3.12 + 0.61 -3.48 + 7.85 + 5.14 - 5.78 + 14.10 + 4.75 - 4.55 - 7.24 - 6.43
Arcadia Avon Park Boca Orande	40.18	- 6.7

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Precipitation for the year 1918, with Departures from the Normal.

(Anr	iual.
Stations.	Precipitation.	Departure.
Bradentown Davie Fort Lauderdale Fort Myers Griffin Homestead Hypoluxo Key West Lock No. 1 Long Key Miami (1) Miami (2) Moore Haven Punta Gorda	48.07 58.65 58.00 40.06 54.96 54.06 29.77 52.96 42.55 43.33 50.39	- \$.08 -12.32 - 7.49 - 8:89 -22.17
Ritta Sand Key	35.02	
Western Division.	*	
Apalachleola Bonifay DeFuniak Springs Garniers (near) Marianna Molino Pensacola St. Andrews Wausau	69.58 60.36 59.69 68.34 59.39 65.04	+17.33 + 5.86 +12.09 +1.13 + 4.53

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with
Departures from the Normal—Continued.

	Jar	nuary.	Feb	ruary.	Ma	arch.	
stations.	Temperature.	Departure.	Temperature.	Departmre.	Temperaturé	Departure.	
Northern Division.					-		
Archer Brjatol Camp Johnston Carrabelle Cedar Keys Crescent City Federal Point Fernandina Gainesville Hilliard Jacksonville Jasper Johnstown Lake City Live Oak Macclenny Madison Middleburg Monticello Morton's Farm Mount Pleasant Old Town Quincy St. Augustine Satsuma Heights Switzerland Tallahassee	52.7 52.2 48.8 50.2 49.6 50.0 49.3 47.5 48.6 47.7 47.8 50.2 53.8	- 3.8 - 4.4 - 5.1 - 5.9 - 5.9 - 7.9 - 5.0 - 7.7 - 6.0 - 6.9 + 7.5 - 6.1	61.2 63.7 66.5 65.5 65.7 64.6 62.4 62.8 63.4 64.2 63.3 63.6 63.6 63.0 63.0 61.8	+ 8.0 + 5.9 + 9.3 + 7.7 + 5.4 + 7.4 + 7.8 + 6.6	69.8 69.6 66.8 68.4 67.6 66.6 66.8 67.4 68.2 66.4 68.7 65.2 67.0 65.5 67.6 68.4 70.2 68.3	+ 2.8 + 4.0 + 4.5 + 4.1 + 5.4 + 2.3 + 3.9 + 5.5	
Central Division.						-	
Bartow Brooksville (1) Brooksville (2) Bushnell (near) Clermont DeLand	55.4 53.6 55.3	- 4.9 - 3.1 - 5.1 - 5.5	67.9 68.4 66.0 68.6 66.4	+ 4.9 + 8.5 + 6.6 + 7.3	71.4 72.6 68.8 74.2°	+ 5.7 + 5.8	

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with

Departures from the Normal—Continued.

•	Jat	iuary.	Feb	гцагу.	M	arch.
Stations.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Eustis Fellsmere Fort Meade. Fort Pierce Inverness / Kissimmee Lakeland Lucerne Park Malabar McDonald / Merritts Island New Smyrna. Ocala Okeechobee Orange City Orlando Pinellas Park Plant City Rockwell St. Cloud St. Leo St. Petersburg Sanford Tampa Tarpon Springs Titusville		- 5.4 - 3.7 - 4.6 - 6.9 - 4.6 - 3.9 - 6.0 - 6.8 - 7.0 - 5.3 - 4.4 - 3.6 - 3.9 - 5.3 - 4.5 - 5.8	67.4 66.9 68.8 69.2 70.4 68.9 67.6 67.6 67.6 67.8 64.0 68.6 67.2 69.4 66.3 67.2 68.3 67.4 68.8 67.2 68.8 67.2 68.8 67.3 67.3 67.3 67.3	+ 6.1 + 6.2	71.8 69.5 72.7 69.2 71.5 73.4 71.6 69.2 67.2 70.4 69.8 72.6 70.0 69.8 71.1 70.7 70.7 70.7 70.8 71.8 71.8	+ 4.3 + 3.7 + 4.3 - 5.0 + 4.8 + 4.4 + 4.7 + 2.4 + 5.3 + 5.3 + 2.3
Southern Division. Arcadia Avon Park Boca Grande Bradentown Davie Fort Lauderdale Fort Myers Griffin Homestead	61.0	- 7.3 - 3.5 - 3.6 - 3.7	68.7 67.5 68.6 70.5 69.3 68.3	+ 5.6 + 5.3 + 4.4	71.3 72.9 70.0 70.4 72.1 71.0 71.4 71.8	+ 3.8

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with
Departures from the Normal—Continued.

·	. Jan	luary.	Feb	гиагу.	M	arch.
Stations.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure,
Hypoluxo Key Wst. Long Key Miami (1) Miami (2) Moore Haven Punta Gords Ritts Sand Key	66.4 65.7 62.8 63.3	— 4.5	70.7		75.5 75.9 72.4 72.7	
Apalachicola Bonilay DeFuniak Springs Garniers (near) Marianna Molino Pensacola St. Andrews Wausau	45.4 46.8 45.4 49.5 47.4	- 6.3 - 6.5 - 2.6 - 4.9 - 714	60.1 60.0 60.3 62.2 59.8	+ 8.2	65.2 64.4 65.6	$\begin{array}{c} + 1.6 \\ + 3.8 \\ + 4.5 \\ + 3.9 \end{array}$

Small figures indicate number of days missing from report.

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with

Departures from the Normal—Continued.

	A	pri1.	pril. May. 'May.			June.	
Stations.	Temperature	Departure.	Temperature	Departure	Temperature.	Departure.	
Northern Division. Archer Bristol Camp Johnson Carrabelle Cedar Keys. Crescent City Federal Point Fenhoiloway Fernandina Gaineavilie Hiliard Jacksonville Jasper Johnstown Lake City Live Oak Macclenny Madison Middlehurg Monticeilo Morton's Farm Mount Pleasant Old Town Quincy St. Augustine Satsuma Heights Switzeriand Tallahassee Central Division.	67.0 67.3 68.6 66.6 66.4 67.0 67.1 66.8 66.8 67.1 66.4 66.7 64.1 66.0 65.2	- 2.0 - 0.1 - 2.0 - 6.5 - 3.4 - 2.0 - 1.5	73.4 76.0° 73.2 75.2 73.8 74.4 74.2 74.6° 74.2 73.0 75.0 75.6 74.0° 72.9 72.9 72.6 73.2 72.6 73.3°	- 2.6 - 0.3 - 1.8 - 0.0 - 0.7 - 1.8 - 0.6 - 1.1 - 0.2 + 0.2 - 2.4 - 0.9	79.8 80.9 79.6 81.4	- 0.3 + 0.8 + 1.8 - 0.4 + 1.5 + 1.4 + -1.3 - 1.5 + 1.7	
Bartow Brooksville (1) Brooksville (2) Bushneli (near)	69.0	+ 0.1 - 1.1	77.8	- 1.9 + 1.1	79.0° 79.4	- 1.1	

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with
Departures from the Normal—Continued.

	1 .		1		Τ.	
	A	pril.	26	lay.	June.	
Stations.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Clermont DeLand Eustis Fellsmere Fort Meade Fort Pierce Inverness Kissimmee Lakeland Lucerne Park Malabar McDonald Merritts Island New Smyrna Ocala Okeechobee Orange City Oriando Pinellas Park Plant City Rockweil St. Clond St. Leo St. Petersburg Sanford Tampa Tarpon Springs Titusvilie	72.8 70.6 70.5 68.8 71.0 72.4 71.8 71.4 70.0 70.7 67.8 66.6 90.9 69.0 71.4 70.6 68.9 69.0 71.2 69.2 72.2 69.2 71.2 70.2	+ 0.4 + 2.1 - 0.5 - 1.0 + 0.0 - 0.4 - 0.9 - 0.7 - 3.1 - 1.0 + 0.4 - 0.5 - 1.6 - 1.6 - 1.6	75.2 75.9 71.7 75.9 77.1 76.6 76.4 76.3 78.0 74.9 76.8 72.8 83.2 83.2 75.5 75.6 74.1 77.5 76.1 77.5 76.4 76.1	- 0.1 - 1.5 - 0.7 + 1.3 - 0.5 - 1.1 - 1.7 + 0.5 - 1.1 - 2.7 - 1.4 - 1.9 - 3.1 - 0.0 + 0.5 - 0.2	81.4 82.0 76.3 80.8 80.5 80.6 82.0 80.8 81.7 81.4 80.4 80.0 78.5 80.0 79.8 81.0 80.4 81.6 80.6 79.4 81.6 80.6 81.3 79.8	+ 1.7 - 0.2 + 0.5 + 0.1 + 0.1 - 0.7 + 0.6 - 1.1 + 2.3 - 1.0
Arcadia Avon Park Boca Grande Bradentown Davie Fort Lauderdale Fort Myers	71.4 74.2 71.2 71.8 72.6 71.2	- 0.7 + 0.7 - 1.2	75.8 75.9 74.6 76.0 75.4	- 1.5 - 0.2 - 1.7	79.9 80.2 77.8 79.4 79.3	0.0 + 0.4 - 0.7

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with
Departures from the Normal—Continued.

				1		
	A	pril.	M	lay.	Jı	ine.
Stations.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Griffin Homestead Hypoluxo Key West Long 'Key Miami (1) Miami (2) Moore, Haven Punta Gorda Ritta Sand Key	77.2 73.6 74.4 72.2		76.8 77.8 78.6 76.2 78.0 76.4 76.8 75.6		82.0 83.1 79.4 80.5 80.1 78.7	- 0.2 0.2 1.0
Western Division. Apalachicola Bonifay DeFuniak Springs. Garnlers (near) Marianna Molino Pensacola St. Andrews. Wausau	64.4 63.9 62.6 64.2 63.6	$ \begin{array}{r} -2.5 \\ -2.0 \\ -1.9 \\ -4.1 \end{array} $	74.2 74.6 70.3 75.0 73.2 73.4	$ \begin{array}{r} 0.0 \\ + 0.4 \\ + 0.5 \\ - 1.6 \\ - 1.7 \end{array} $	81.4 82.2 77.6 81.0 80.1 80.2	$ \begin{array}{r} + 2.0 \\ + 2.5 \\ + 1.3 \\ + 0.1 \\ - 0.7 \end{array} $

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with Departures from the Normal—Continued.

•	J	uly.	Au	gust.	Sept	ember.
Stations.	Temperature,	Departure.	Temperature.	Departure.	Temperature	Departure.
Northern Division.						
Archer Bristol Camp Johnson Carrabelle Cedar Keys Crescent City Federal Point Fenholloway Fernandina Galnesville Hilliard Jacksonville Jasper Johnstown Lake City Live Oak Macclenny Madison Middleburg Monticello Morton's Farm Mount Pleasant Old Town Quincy St. Augustine Satsuma Heights Switzerland Tallahassee	78.7 79.0 80.4 80.3 80.8 80.7 81.4 79.2 80.0 79.1 77.7 79.3 79.0 80.2 79.6 79.6 78.8 80.6 78.8 80.6 78.8 80.9	- 3.0 - 1.6 - 1.5 - 1.4 + 0.2 - 1.3 - 2.5 - 1.9 - 2.2 - 3.9 - 1.6 - 2.7 - 1.2 - 2.0 - 1.4 - 1.4 - 1.6 + 0.5	80.1 78.2 83.0 80.5 82.4 82.0 81.0 81.2 81.2 81.4 82.4 81.4 81.4 81.6	- 1.0 - 0.3	76.2 72.8 78.1 75.8 78.0 78.2 76.3 76.8 76.2 76.4 76.5 76.2 76.8 76.2 76.3 76.7 77.8 76.7 77.8 76.7 77.8 76.7 77.8	— 0:3
Central Division.						
Brooksville (1) Brooksville (2)	78.8 81.0	- 1.2	81.0		78.0 76.8 79.0	- 1.7

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with

Departures from the Normal—Continued.

	trom (Doncingo	ч.	
	J	uly. •	Au	gust.	Sept	ember.
Stations.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure,
Deland Eustls Fellsmere Fort Meade Fort Pierce Inverness Kissimmee Lakeland Lucerne Park Malatar McDonald Merritts Island New Smyrna Ocala Okeechobee Orange City Orlando Pinellas Park Plant City Rockwell St. Cloud St. Leo St. Petersburg Sanford Tampa Tarron Springs Titusville Southern Division	81.0 81.2 77.8 80.2 81.6 79.7 81.0 80.8 80.8 81.6 ² 79.6 80.0 77.6 ¹ 	- 2.6 - 2.0 + 0.6 - 0.9 - 2.6 + 0.3 + 0.3	83.0 78.4 81.9 82.5 81.6 82.4 81.7 82.4 82.2 81.2 79.6 78.9 81.5 82.2 81.5 82.2 81.5 82.6 81.6 82.6 81.6 81.6 82.6	- 1.1 + 1.1 + 0.4	77.2 78.8 78.5 78.0 79.4 77.1 80.4 77.6 79.4 78.8	- 1.6 - 1.5 - 1.7 - 4.0 - 2.4 - 0.7 - 1.5 - 0.8 - 2.5
Arcadia Avon Park Boca Grande Bradentown Davie Fort Lauderdale Fort Myers Griffin	80.8	- 1.6 + 0.3 - 0/1	80.9 83.5 81.7 79.9 82.4 81.0	- 0.8 + 0.5 - 0.1	78.6 81.2 77.9 79.8 79.2	→ 0.7

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with
Departures from the Normal—Continued.

						- -
	j	uiy	Au	igust.	Sept	ember
Stations.	Temperature.	Departure.	Temperature.	Departure.	·Temperature.	Departure.
Homestead Hypoluxo Key West Long Key. Miami (1) Miami (2) Moore Haven Punta Gorda Ritta Sand Key. Western Division.	83.5 83.8 80.4 80.8 80.6	— 0.2 — 1.5	83.2 81.0 81.4	+ 0.8 + 0.6 - 0.5	82.6 82.8 79.5 81.0 78.0 79.4	+ 0.1 - 2.0
Apalachicola Bonifay DeFuniak Springs Garniers (near) Marianna Moiino Pensacoia St. Andrews Wausau	80.8 81.0 78.7 80.3 79.4 78.8	$\begin{vmatrix} -0.1 \\ +0.4 \end{vmatrix}$ $\begin{vmatrix} -0.7 \\ -2.0 \end{vmatrix}$	81.0 80.4 80.6° 80.5 80.5 81.4	$\begin{array}{c c} -0.8 \\ -0.4 \\ \hline -0.7 \\ +0.9 \\ -1.1 \\ -2.2 \end{array}$	75.2 73.5 73.7 73.8 74.3 73.6	- 4.3 - 3.6 - 3.6 - 5.5

. CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with

Departures, from the Normal—Continued.

46	Oct	tober.	Nov	ember.	Dec	ember.
Stations.	Temperature.	Departure.	Temperature.	Departure.	Temperature	Departure.
Northern Dlylslon.		-				. ,
Live Onk Macclenny Madison Middleburg Monticello Morton's Farm.		+ 3.4	61.8 59.6 64.7 64.8 64.3 61.7 59.0 60.4 60.2 59.4 60.6	- 2.1 + 0.8 - 1.2	58.4 56.1 58.9 60.2 56.9 57.4 57.8 58.2 57.2 56.8 57.2 56.8 57.2 56.8 57.2 56.8 57.2 56.8 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2 56.9 57.2	+ 1.0 + 2.4 + 1.4
Central Division.						
Bartow Brooksville (1) Brooksville (2) Bushnell (near) Clermont	76.0		67.0 63.4 67.6		59.6	+ 0.6

CI-IMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with
Departures from the Normal—Continued.

	Oet	ober.	November.		ember. December.		
Stations.	Temperature	Departure.	Temperature	Departure,	Temperature	Departure.	
DeLand Eustis Fellsmere Fort Meade Fort Pierce inverness Kissimmee Lakeland Lucerne Park Malabar McDonald Merritts Island New Smyrna Ocala Okeechobee Orange City Orlando Pinellas Park Plant City Rockwell St. Cloud St. L20 St. Petersburg Sautord Tampa Tarpon Sprlngs Titusville Southern Division.	77.0 76.7 75.3 77.6 79.0 76.8 77.9 78.0 79.6 76.8 77.8 75.3 77.0 77.6 78.4 75.4 77.9 77.9	+ 5.0 + 3.4 + 3.5 + 2.7 + 4.2 + 2.7 + 4.1 + 2.0 + 2.0 + 3.3 + 4.6 + 4.6 + 3.9	64.6 65.0 66.8 67.0 71.2 62.9 67.1 67.0 70.2 65.0 68.5 65.0 61.3 63.8 66.8 67.2 64.6 68.4 65.6 67.2 66.0 66.6	+ 0.2 - 0.6 + 0.1 + 1.8 - 0.2 - 0.3 - 1.5 - 0.6 + 0.1 - 0.2 - 2.5 - 0.9 + 0.3 - 1.5 - 0.4 + 0.4 + 0.3 + 0.2	60.4 60.2 62.8 65.8 59.1 62.5 62.9 63.0 64.4 60.8 63.8 59.6 63.4 60.0 62.1 63.3 60.7 60.4 64.1 60.3 66.3 66.3 66.3 66.3	+ 1.7 + 0.3 + 3.0 + 1.4 + 2.3 + 1.3 + 1.6 + 0.8 + 1.0 0.0 - 0.0 + 0.7 + 1.5 + 0.1 - 0.5 - 1.4 + 2.1 - 0.2	
Arcadía Avon Park: Boca Grande Bradentown Davíe Fort Lauderdale Fort Myers. Grlffin	77.1 78.0 77.2 79.6 78.2	+ 2.2 + 3.9 + 2.9	68.8 67.5 70.8 72.9 70.3 71.8	+ 0.9 + 0.4 + 0.7	63.6 66.0 63.6 65.8 68.4 65.4 66.5	+ 0.8 + 2.0 + 1.1	

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with

Departures from the Normal—Continued.

	Oc	tober.	Nov	ember.	Dec	emb€r.
, Stations.	Temperature	Departure,	Temperature.	Departure.	Temperature.	Departure,
Homestead Hypoluxo Key West Long Key Miami (1) Miaml (2) Moore Haven Punta Gorda Ritta Sand Key			75.4 74.6 72.2 73.6 		71.7 70.6 67.8 68.8	- 0.3 - 1.6 - 0.2
Western Division.				<u>!</u> -	4	
Apalachicola Bouifay DeFuniak Springs Garniers (near) Marianna Molino Pensacola St. Andrews Wausau	72.9	+ 4.9 + 5.3 	58.7 57.7 57.0		55.4 55.4 54.0°	+ 2.2 + 1.5 + 0.8
				Į.		

CLIMATOLOGICAL DATA—Continued.

Monthly and Annual Mean Temperatures for the Year 1918, with

Departures from the Normal—Continued.

•		Ann	ual.	
Stations.	Stations.			
Northern Division.				
-				
Archer				
Bristol	4			
Camp Johnson	1			
Carrabelle				
edar Keys				
Crescent City		71.0	+ 0.7	
Federal Point		71.2	+ 1.6	
enholloway		69.1		
Pernandina	1	69.0	+ 0.5	
lainesville		69.8	+ 0.1	
filliard		69.1		
acksonville		69.2	+ 1.0	
lasper				
ohnstown		68.8	-0.1	
Lake City		69.1	+ 0.1	
Live Oak	t t			
Maccienny				
Madison	1	69.0	+ 0.3	
Middlehurg		69.1	+ 0.1	
Monticello				
Morton's Farm				
Old Town				
Quincy		67.7		
St. Augustine		69.7	+ 0.	
Satsuma Heights		71.8	1 0.1	
Switzerland		1210		
Fallabassee		68.3	+ 1.	
		72.7		
Central Division.				
Bartow		72.3	+ 0.:	
Brooksviile (1)				
Brooksville (2)		70.4		
Bushnell (near)				

CLIMATOLOGICAL DATA—Continued,
Monthly and Annual Mean Temperatures for the Year 1918, with
Departures from the Normal—Continued.

	Ann	ual.
Stations.	Temperature,	Departure,
Clermont DeLand Eustis Fellsmere	71.9 72.1	+ 1.8 + 0.5
Fort Meade Fort Plerce Inverness	74.3	+ 1.5
Klasimmee Lakeland Lucerne Park Malaba-	73.5 73.9	+ 1.3
McDonald Merritts laland New Smyrna Ocala Okeechobee	71.8 72.7 70.0 68.8	+ 0.7 + 0.2 + 0.2 - 1.4
Orange City Orlando Pinelias Park Plant City Rockwell	72.6 72.4	+ 0.9
St. Cloud St. Leo St. Petersburg Sanferd Tampa Tarpon Springs	71.0 73.9 71.5 73.1 72.3	-0.5 $ +1.4 $ $ +1.3 $
Southern Division.	71.9	+ 0.4
Arcadia : A Avon Park Boca Grande Bradentown Davle Fort Lauderdale Fort Myers	72.9 73.0 74.7 73.4	+ 0.3

CLIMATOLOGICAL DATA—Continued. Monthly and Annual Mean Temperatures for the Year 1918, with Departures from the Normal—Continued.

	Ani	oual,
Stations.	Temperature.	Departure.
Griffin Homestead Hypoluxo Key West Long Key Miami (1) Miami (2) Moore Haven Punta Gorda Ritta Sand Key	•	
Western Division.		
Apalachicola Bonifay DeFuniak Springs	68.2 62.2	+ 0.6 ' + 0.6
Garniers (near) Mariauna Molino	67.6	+ 0.5
Pensacola St. Andrews Wausau	67.6 67.9	- 0.3 + 0.4

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Fifteenth Biennial Report

of the

Department of Agriculture

of the

State of Florida

Division of Agriculture and Immigration

Part 2—Census of Manufactures and Industries

FOR THE YEAR 1917

W. A. McRAE

Commissioner of Agriculture

Tallahassee, Florida







LETTER OF TRANSMITTAL.

To His Excellency,

S. J. CATTS,

Governor of the State of Florida.

Sir:

As provided by law, I herewith submit the Biennial Report of the Department of Agriculture for the years 1917-18. The dates upon which the manufacturing and industrial statistics are based cover the period from January 1, 1917, to December 31, 1917, inclusive.

Respectfully submitted,

W. A. McRAE,

Commissioner of Agriculture.

MANUFACTURES

For the Calendar Year Beginning January 1, 1917, and Ending December 31, 1917

The information usually most sought for in connection with manufacturing and industrial work is contained in the following tables, the heads of which clearly express the meaning of each.

No better advertisement of a State or county can be made than the publication of its industrial progress and development, and to those interested in such matters and who wish information relative to the possibilities of investments in such lines of activity in this State, the statistics contained herein are well worth careful perusal.

We beg to direct attention to the classified tables by counties. The results there disclosed are of unusual in terest and show plainly the results of the past two years. All of the counties are noticeable for their progress and development in industrial work.

TABLE No. 1—Shows a general classification of all industries reported in the State. The selections of the several classes of industries were arranged according to their value as principal products. Also products for a given industry may, on the one hand, include one or more minor products very different from those covered by the class designated, and also may not include the total product covered by this designation, for the reason that some portion of this product may be made in other classes. or establishments in which it is not the product of principal value. Thus it would be noted that the portions of one class of products are combined in the class of some other product. This is unavoidable, because in many establishments several products belonging to widely different classes are manufactured in the same establishment by the same power and working force. Oftener than otherwise under such conditions no separate accounts are kept. This explains the difficulty and impossibility of a strict

TABLE No. 2—Shows the number of establishments reporting, eapital invested, average number of wage earners and the total wages paid by the counties, the average number of wage earners of specified ages, the amount of wages paid each, and the greatest and smallest number of each class employed during the year, cost of material and value of all of the products of industry of the several counties. The quantities and value of manufactured tobaccos and kinds of products manufactured, the output and value of naval stores (Turpentine and Resin) for the year 1915; the products of gimeries of the State, pounds of cotton of both staple. The number of gins is found in the classified list by counties.

TABLE No. 3—Shows the industries by counties, giving the number in each county, the aggregate amount of capital invested in each class, the average number of wage carners and their total wages; the average number of persons engaged in these industries of specified ages, and wages paid them; the largest and smallest number engaged in each industry; the cost of manufacture, and the value of the products of each of the industries by counties.

The following is a list of the County Enumerators, and their postoffice addresses, who performed the field work in gathering the agricultural, horticultural, live stock, manufacturing and industrial statistics of the several counties. The results of this work is found in the tables that follow.

	COUNTY	NAME	POSTOFFICE
Į,	Aluchus	E. G. Speacer	Machua, Flo. Macelenny, Flo.
2.	Baker	J. W. liewling	Macelenny, Fin.
3,	Bay	C. C. Mathis.	Panuma City, Flu.
4.	Bradford	It. A. Green	Starke, Fla.
5.	Brevnrd	Chas, H. Nelson, Jr Robert J. Reed	Ft. Landerdole, Fla.
6. 7.	Uroward	Jobn R. Illchards	Blomstown, Pla.
8.	Citrus	J. W. Kulght	Inverness, Ma.
Ð.	Clay	J. M. Williams	Green Cove Spgs., Pla.
10.	Columbia	Donald Tojoukles	Luke Pity, Pla., It.F.D.
11.	Dude	M. W. Goode	Lemon City, Pin.
12.	De8oto	J. Edgar Albritton	Arcadla, Pla.
13.	Duval	Chas. It. Thebaut	Jackson ville, Plu,
14.	Escambla	Wm. J. Scott	R.F.D."A", Almore, Pla,
15.	Flagler	F. A. Itleh.	Bunnell, Fla.
16.	Franklin	W. J. Lovelt	Apalachicoln, Pla.
17. 18.	Gadsden	D. J. Mears	Herdaway, Pla, Jusper, Pla,
19.	Hamilton	Leroy McKeown	Brooksville, Fin.
20.	Ililishnrough	lten L. Illackburn	Tompa, Pla,
21,	llolmes	D. J. Grice	Honifny, Vla,
22.	Jackson	3. M. Bloupt	Grand Hldgr, Fla.
23	Jefferson	W. B. Bishop	Lloyds, Fla.
24.	lafnyeile	J. P. Abbott	Muyo, Fla.
25.	lake	Waller II, Bell	Tavares, Fla.
26.	Lee	John M. Boring	Fort Myers, Via,
27.	Leon	W. J. Johnson	Chaires, Pla.
28. 29.	Levy	M. D. Grahum	Brimson, Fla. Bristol, Fla.
30.	Madison	H. II. Fox.	Madison, Fla.
31.	Manalee	W. M. Baxter	Bradenlown, Fln.
32	Marioa	M. L. Phyne.	Iteddick, I'ls.
33.	Monroe	Chus, W. Chase W. W. Word.	Key West, Fla.
34.	Nassan		Key West, Pla. Bonlogne, Pla.
35.	Okecchobee	l. K. Davls	Okcechobce, Fln.
36.	Orange	J. C. Merrill	Plymonth, Pla.
37.	Oscrola	Militoni'ledger,	Kisslange, Fla. Laurel IIII, Pla.
38.	Okaloosa	W. W. Hurslon W. C. C. Branning, Jr	Wrst Pulm Brach, Pla.
40.	Pasco	J. H. Ulke	San Anteolo, Fla.
41.	Pinellas	A. C. Turner	Clearwater, Fla.
42.	Polk	J. E. Bryant	Kothleen, Flu.
43.	Putnam	Julien de Nazarie	Pulutka, Fla.
44.	Santo Ross	Pulnam Jerulgan	Puluika, Pla. Miljon, Fla.
45.	Seminole	A. R. Crappell	Sanford, Pla.
46.	SI. Johns	John W. Dals.	St. Augustine, Ph.
47.	St. Lucle	F. Scutt Waters	Walton, Fta.
48.	*SumJer	J. H. Wilkerson	Wildwood, Pla. Live Oak, Fla.
49. 50.	Suwannee	W. K. Vann	Shady Grove, Fla.
ăI.	Volusia	Ollo It, Kirchoff	Heleon Springs, Fla.
52.	Wakulla	Jaho McKenzle	Santiero, Fla
53.	Walton	D. L. Colum	Definolak Springs, Fla.
54.	Washington	F. M. Huss.	Vernon, Fla.

*Not reported.

PREFACE.

In the publication of a report that will give the best results, we find it necessary to present each branch or division of the Department separately, treating each subject or division separate and distinct from the other. We therefore publish the report of each division under separate cover.

In order that the public may realize the magnitude and importance of the work of the Department of Agrienture, we give below an outline of the duties of the Commissioner of Agriculture.

- 1. Divisions of Agriculture and Immigration.
- 2. The Prison Division.
- 3. The Pure Food and Drugs, Stock Feed and Fertilizer Division.
 - 4. The Land Division.
 - 5. The Field Note Divisiou.
 - 6. Shell Fish Commission.

In addition t othe above, the Commissioner of Agriculture is a member of the following Boards:

- 1. The Board of Commissioners of State Institutions.
- 2. The Board of Pardons.
- 3. The Trustees of the Internal Improvement Fund.
- 4. The Board of Drainage Commissioners.

	Feed Crushers	. 31	2,850	91	1,600]	91	1,600					9	9
1.3	Corn Millers Dry Kilns Canning Factories Ice Cream Manufecturers Crate and Baskset Factories Pucking Houses (Fruit) Orange Picking Bags Spräyers and Repair Work Rice Cleaner Meat Packing Plant Broom Factories Fisheries and Packing Houses Clam Packers Gasoline and Oil Supplies Plow Factory Logging Wood Yards Barrel Factories Fullers Earth Companies Syrup Manufacturing Upholateries Manufacturing Upholateries Home Cannery Conserved Work	1 2	11,500 20,000	20 20	15,000 9,500	20[20] 245]	9,500				500	22 31 585	8 354
	Canning Factories	244 49	115,523	684 93	79,890 55,344	871	49,750 51,406	429 6	20,630 3,938 5,350			102	354 87 296
-5-	Crate and Baskset Factories		37,070 300,060 735,179	310) 1,763	132,860 439,960	1,653	127,510 423,522	1101	130,3001			379 2,169	1,199
	Orange Picking Bags	1	2,000	1	600 4,940	1	600					9	4
	Sprayers and Repair Work	1	500	1	300	1	800					50	. 18
	Meat Packing Plant Droom Factories	6	100,000 30,175	35 41	40,000 29,500	35 31	21,500	10	8,000	3	600	6∄ 1,901)	24 699
	Fisheries and Packing Houses	281	810,115 25,000	1,505	608,166 17,000	1,307 22 10	600,186 15,000 30,000	8	2.0001.	1		50	10
	Gasoline and Oli Supplies	2	20,000 4,000	10	30,000 1,600	10	1.600					5[1 395
	Logging	6(48)	165,000 37,425	549[136]	64,800 64,228	549 130	64,800 62,304	2	1,144	4	832	684) 154]	124
	Barrel Factories	43 10 2	98,700 375,000	111 300	45,886 160,000	111 300	45,3861					132 1,620	200
	Syrup Manufacturing	423	59,552)	1,778	200.148	1,117	197,817 14,500	89	358 850	572	1,973	1,890 23	1,214 14 16
	Manufacturing Jellies and Preserves	11	0,800 17,050	17 29	15,350 7,810	15 11	4,460 80	18	850 3,350			34 5	- 5
	Hamiltoning Select and Monuments Annual Manufacturing Marble Works and Monuments	10	81,250	113,	128,920	113	1.28 5201					158 151	95 49 21 583
	Cement Blocks Manufacturing	10	28,600 33,300	97(29 585)	58,920 24,360	97 29	24,360	111111111111	100 168			36) 587	21 583
	Box Factories	4) 2)	351,500) 20,000	451	28,800 (296) 451 18	272,004 28,800	2841	155,480			63	40 18 75
	Harnes Makers and Renairs	11	12,600 38,325	18 88	16,693 47,302	18] 49]	16,695 26,731	39	20.5711.			91	7้รู้ -
	Candy Manufacturers Manufacturers and Repairers Turpentine Stills Sanufacturers Lens and Repairing Manufacturers Butter and Mük Sterilizing	1	4,000 21,800	13	3,200 11,760	10	3,200 9,520	3	0 040			15	11
	Manufacturers Butter and Milk Sterilizing	1	5,000	7	7,500 1,200	5	6.700 1.200	2	800			8	6
	Hat Cleaners and Repairers	9	1,500 24,950	34	18,100	21	12,932 2,500	18	5,258	3	876	46	28 4
	Manufacturer Soft Drinks	9	7,000 38,500	24	3,370	22	16,300	2	5,258 1,500			39 381	23. 21.
	Hanufacturers Butter and MIR Sterliging Peanut Butter Factory Hat Cleaners and Repairers Manufacturer Soft Drinks Fainting Shops Painting Shops Painting and Trimmers Painting and Papering Mattress Manufacturing Coal Burners Oil Mills Ladder Factories	31	18,000 25,500 1,325	27 34	18,300 37,000	22 27 34	37,000		1111111111111			36 54	23. 21. 26. 6. 78. 70
	Mattress Manufacturing	60	11,465	7 107 140	3,700 25,644	107	$\frac{2,500}{25,644}$		1,400			107 160	78 70
မှ	Oli Milis Ladder Factories	<u>변</u>] 41	375,000	41	60,000	140	60.000 400		1,500			4 48	14
	Well Drilling	6	11,400 50,000	100	17,500 110,000	22] 100]	17.500 110.000					120	30
	Manufacturers Grapefruit Julce	2)	11,000 3,000	16	11,939 2,000	16)	11,939) 1,500	3	800	<i></i>		7	2
-	Lumber Mills and Manufacturing	19]	1,130,000	1,402	735,560 49,500	1,398	732,960	4	2,600 (.			1,631 581	1,168
	Ladder Factories Weil Drilling Vencering Companies Manufacturers Grapefruit Julce Manufacturing Paimetto Brushes Lumber Mills and Manufacturing Hey Drying Paper Hanging Contractors and Builders Soap Manufacturers Pholographers	8	22,000 4,000	48	2,850 41,360	8	2,850		800 2,600			. 58	7 41
	Soap Manufacturers	il	$\begin{array}{c} 17,000 \\ 150 \end{array}$	41	1,300	11	1,300	io				65	53
	Construction Companies	35) 50)	32,020 881,850	1,022	56,002 870,404	1,016	47.010 856,308	6 1,	5,096			1,034	989
	Photographers Construction Companies Insecticide Companies Silos	2 5	12,000 700	5] 90]	3,900 1,000	30	3,000 1,000					30	รดู้
	Piling Electrical Shops and Repairs Cypress Tanks	1 12	$\frac{1,000}{83,300}$	89	2,000 87,680	85[83,480	4	4,200			96	73
	Cypress Tanks	1] 1)	40,000] 250,000]	18] 58! 70}	10,000 72,000	13 57 70	71.000	·····i	1,000			66	73 10 60 60
	Dry Dock Manufacturing Buckets and Tubs Window Frames and Screens Manufacturing	1 2	40,000 600	70	34,000 2,000	70	34,000 2,000					80	1
	Macaroni Factories Markets,—Miz. Dept. Coffee and Tea Bienders Hag 'Factory Cracker Works	81	14.500 19.045	20 89 75	16,588 44,328	20 88	10,588 43,704	·····i	1			201 89 75	20 89 73 30 50
	Coffee and Tea Blenders	31)	103,050 30,000	75 38 .	66,456) 9,500	88 78 12	75,468 4,300		780 5,200		208	451	30
	Cracker Works	1	130,000 5,000	60	56,000 4,000	25	23,500 3,200	35	35,500 860 2,500			90	4
_	Distillation Pine Products	1	150,0001	100	.90,000 12,000	100	90,000		3 500			110	90 8
	Cracker Works Ostrich Flumes Listliation Pine Products Tent and Awning Manufacturers Hooding Company Show Case Manufacturing Bed Spring Manufacturing Irrigation Plants -Kacillo Mining Fibre Company Lime Kiin Companies Quarry Liredging	1)	2,500 10,000	10	6,000 8,000	10	6,000					12 15	4 0
	Bed Spring Manufacturing	1 1	25,000 25,000	30	32,000	30	32,000					40 288	20 170
	-Kacila Mining	107	208,040 70,000	230 60	60,950 60,000	601	60,000					90	45
7	Lime Kiln Companies	1 4	35,000 135,000	120	1,500 50,100	7 120	50,100		2,159			120	80 70
	Quarry Dredging Misee annous Industries	1	211,442 600,000	100 300	132,222 220,000	851	220,000		2,100	39	1,220	475 1.528	250 1.424
	Misee aneous Industries	106)	E,538,540)	1,4831	1,057,457	1,2791	956.033	167	100,184	991	1,2201	1,0201	1.754

	TABI	LE NO. 1—	MANUFACI	URES—CL	ASSIFICATI	ON OF AL	L INDUST	RIES,				
	·	g Lands, Machin-	678.	ЧΉ		er.	Women 16 Ov		Children 16 Y		Any This	Any
NAME OF BUSINESS, MANUFACTURE OR PRODUCT,	Number of Establishments,	Capital Invested (including I Bulldings, Improvements, Mery, Cash),	Average Number Wage Earn	Total Amount of Wages of A Employes.	Average Number.	Total Amount of Wages Paid These Men.	Average Number.	Potal Amount of Wages	Average Number,	Total Amount of Wages Fald These Children.	Greatest Number Employed at One Time During the Year in Industry.	Least Number Employed at One Time During the Year in Industry.
Cotton Gins Cotton Gin and Grist Mill Navai Stores Snw Mills Blacksmith Repair Shops Rottling Works	82 4 307 854 370	8,500 7,891,910 14,686,180 343,093	790 16 7,258 12,535 606	4,250 2,733,225 6,498,980 350,861	785 16 6,944 12,298 599 232	4.250	54 158 71	\$ 8,620 74,672 36,966 880	156 166 5	\$ 100 21,992 18,550 2,640	464 20 9,656 16,347 750	335 8 5,291 9,121 513
Bottling Works Grist Mills Garages and Repair Shops Clgar Manufacturing Clgar Box Factory Tobacco Companies	54 255 330 206	452,750 810,444 1,165,125 6,671,219 49,000	267 380 1,121 14,051 115	188,082 78,065 1,050,198 11,172,817 6,300	363 1,101 10,006 40	166,058 77,570 1,036,242 8,774,200 3,600	22 10 18 4,020 60	18.302 2,325 12,956 2,392,900 1,800	13 13 2 25 15	3,722 750 936 5,708	288 427 1,392 14,579 250	199 321 946 18,791 105
Tobacco Companies Plumblug and Repair Shops Lice Manufacturing Lice and Cold Storage Plants Lice and Light Plants Lice and Light Plants Lice and Light Plants	63 43 7. 5	106,500 180,500 1,718,100 130,000 159,487 1,723,240	340 273 637 58 29 208	89,400 288,895 481,405 62,908 28,464 152,312	180 260 635 58 20 200	73,800 286,645 480,645 62,008 28,404 147,087	105 4 1	11,500 2.250 520	55 i	4,100 240	340 323 685 60 30	175 192 536 52 24 174 232
Gas Plants Electricity and Sewerage Water, Gas and Electric Light Plants Electricity, les Gas and Water Plants	7 29 6 1	1,277,285 1,257,000 40,000 230,000 749,500	281 128: 4 20 100	161,838 99,406 2,200 12,000 57,588	279 125 4 20 100	159,458 95,806 2,200		3,600			247 318 156 61 20	202 202 203 203 203 333 77
Iron Foundries Boll-r Makers and Repairs Machine Shops Rakeries	14 11 4 68 73	2,093,076	126 179 25 689 467	102,477 157,775 21,000 658,740 333,080	124) 179 25 870 411	West aft man	13	9.165	15		113 101 204 32 965 544	18 602
Laundries Bicycle and Repair Shops Motorcycle Repair Shops Cabinet Shops Coffin Manufacturers Millinery and Dressmaking Shops Shops Shops and Speakers	90) 74 1. 14	564,015(100,525) 7,500 . 25,200 1,000	1,085 113 4 40 21	520,917 { 81,009} 2,800 33,050 2,000	500 111 4 40 2	321,984 79,957 2,800 33,650 2,000	575			150	1,219 129 56 4	392 823 101 1 29 2
General Repair Shops Wagon and Carriage Shops and Repairs Vulcanizing and Repairing	235 188 85 18 34 239	155,245 103,655 109,650 111,850 38,300	498 306 146 103 72	278,130 205,550 95,124 89,150 53,720	111 284 137 103 68 450	65.848 199,490 84,724 89,150 50,444	4	212,282 1,068 10,400	25 17	1,650 7,992	583 344 246 125	386 269 118 85 68
Talloring and Pressing Shops Dying and Cleaning Works Tin Shops Jewelry Shops Furniture Repair Shops Fertilizer Plants	239 4 11 69 33	132,510 22,700 22,600 94,950 7,780 2,773,000	522 45 28 122 48 815	334,672 27,5001 29,659 146,092 29,310 803,100	45 28 121 41 815	29,650 145,260 29,310	55	832			563 52 38 135 50	85 68 406 33 24 113 41 574 645
Newspapers and Printing Plants Gundmith Shops Locksmith Shops Soper Shops Shingle Mills	101 8 6 70 331	1,372,726 1,600 3,350 82,150 882,525	831 3) 9) 274 694	764,124 2,200 6,200 185,412 113,930	6881 31 9. 245 6881	665,927 2,200 6,200 182,412	142		1		1,141 963 4 12 368 953	645 3 9 164 640
Pianing Milis Brick Manufacturing Novelty Works Cross Tie Manufacturing Auto Painting Shops	26 8 26 74 6	341,500 133,100 289,700 51,795 7,800	351 86 153 752 9	232,008 32,900 134,902 295,102 6,320	341 86 151 752 9	218,508 32,900 133,202 295,102 0,320	2	1,700			128 128 976	247 74 468
Auto Shipping Blocks Sheet Metal Works Marine Ways Marine Ways and Machine Shops Marine Ways and Shipbuilding Shipbuilding and Region	11 141 81 31 10 55	37,800 55,800 34,000 2,011,500	19 101 49 22 3,011	4,000 57,600 20,800 5,200 570,180	101 49 22 2,091	4,000 57,600 20,800 5,200 549,120	20	21,060			13 12 142 77 35 3,011	8 64 32 14 3.911
Shipbuilding and Repairs Freed Milts Rice Milts Knitting Milis Bean and Pennut Hullers	55 77 6 14 4	3,103,095 13,915 1,450 45,000 10,925	4,316 12 8 70 10	3,544,940 6,560 1,770 28,100 1,050	4,163 12 8 8 10 10	-6,2001	152	22,000	1		5,307 14 9 70 10	314 10 7 40 9

	То	BACCO MA	NUFACTOR	1E8.	Cost of Me	uterlai and Products.		NAVAL	STORES.			GINNERIES	AND PROI	OUCTS.
		Clinracter	of Product.		not be use	lumns must	Turp	enline.	Re	eln.	Upland is Gin		Sea Is-	
NAME OF BUSINESS MANUFACTURE OR PRODUCT	Number Cignes,	Volue,	Number Cigarettes.	Value,	Coet of Production and Material Used of (including Mill sp. Mine Supplies and 22 Fuel).	Value of Work (in- cluding Custom Work and Repair	Gallons.	Value.	Barrels,	. Value,	Number of Bules of Upl Cofton Clancd at This This Year,	Value,	Number of Bales of land Cotton Ginaed Gin This Year,	Value.
Cotton Gins Cotton Gin and Griet Mill Naval Stores Naw Mills Blacksmith Repair Shops Bottling Works Griat Mills		5		\$	4,800	8,550	[2] [4,924,295]	13,018,447	414,226	3,200,107	8,494 104	\$ 853,025 15,600		\$ 5,636,09 241,68
Naw Mills			{:::::::::::	(14,821,945	32,282,622	(á)			2,200,107				
Bucksmith Repair Shops Bottling Works					327,008	690,069								
Grist Mills					253,207 1,015,945	459,419 8,449,584								
Garages and Repair Shops Cigar Manufacturing Cigar Box Factory	469,301,042	30,127,041	7,800,000	154,000	107 000	200,000								
Cigar Box Factory Tobacco Companies Pinmbing and Rep. Shops Ice Manufacturing Ice and Cold Stor. Plants Ice, Water and Lt. Plants Ice, Water and Lt. Plants Ice and Light Plants Electric Light Plants Gas Plants E'ectricity and Sewerage Water, Gas & Elec. Lt. Pl. Elec. Ice, Gas & Wtr. Pl. Water Works Iron Foundles Boller Makers & Reps. Machine Shops Bakeries Laundries					187,000 157,375	210,000					7 * * * * * * * * * *			************
Pinmbing and Rep. Shops		· · · · · · · · · · · · · · · · · · ·			475,400 1,050,659	812,900 3.534.255							**********	
Ice and Cold Stor. Plants					104,546 52,777	187,500								
Ice and Light Plants					378,735	519,020		}						**********
Riectric Light Plants					157,070 150,000	266,275 108,000								
E'ectricity and Sewerage					5,200 52,000	6,400								
Filec. Ice, Gas & Wtr. Pl.					131,006	199,598								
Water Works			\		116,420 313,500	349,200 415,560								
Boller Makers & Reps					63,000 1,222,154	101,000							*********	*********
Bakeries					940,736	1,586,352					1			.,
Bicycle & Rep. Shops		• • • • • • • • • • • • • • • • • • •			696,555 171,618	323,130								
Motorcycle Hep. Shops	,				113,300 3,000	165,400								
Millinery & Dresmit, Shops			.)	}	375,618	794,197								
General Rep. Shops				4 4 4 7 4 4 4 4 4 4	305,320 141,514	286,590								
Wagon & Carriage Shops					160,100 144,120	230,050 311,825								
Tailoring & Press Shops .			.)	}	547,240 34,300	1,018,175								
Tin Shops					59,250	88,200							land Free	
Jewelry Sheps					59,250 227,275 50,080	416,558 106,850								*
Fertilizer Plants		(3,990,253	4,797,262								
Machine Shops Bakories Laundries Laundries Bicycle & Rep. Shops Motorcycle Hep. Shops Coffin Manufaclurers Millinery & Dresmk, Shops Shoe Shops and Repairs General Rep. Shops Wagon & Carriage Shops Vulcanizing and Repairing Talloring & Irreas Shops Dying & Cleaning Wks Tin Shops Jewelry Shops Furniture Rep. Shops Furniture Rep. Shops Furniture Rep. Shops Furniture Plants Consmits Shops Locksmith Shops Locksmith Shops Locksmith Shops Locksmith Shops Bright Mills Planing Mills Planing Mills Planing Mills Pick Manufacturing Novelty Works					1,166,955 2,500 6,200	3,700								
Locksmith Shops					6,200 268,929	10,600 334,867								
Shingle Mills					779,885	1,099,300								
Brick Manufacturing					539,550 47,600	89,130								
Novelty Works Lroes Tle Mfg Aulos Painting Shops					463,896	1.000-071		********						
Aulos Painting Shops					9,640 8,500	20,040								
Autos Shipping Blocks					220,950	305,400								
Marine Ways & Mch Shops			1		1 50 000	62,800								
Marine Ways & Shipbidg.		*********			1,813,300 643,025	3,687,200							**********	
Marine Ways & Sich Slope Marine Ways & Shipbidg. Shipbuilding and Repairs Feed Mills Rice Mills Knitting Mills Bean & Peanut Mullers Feed Crusher Cern Millers					15,225	20,100							********	
Knitting Mills					2,900 85,000	12,070 110,500								
Bean & Peanut Mullers					13,000 4,500	16,750								**********
Cern Millers					18,500	25,300								*********

	TOBACCO MANUFACTORIES.				es.	Cost of Mar Value of I	terial and Products.	NAVAL STORES.				GINNERIES AND PRODUCTS.			
			Character o					Turpen	tine.	Rosl	n.	Gin		This	
			Character o			These columns become Na	mns must I in valu- ctured To- val Stores.		-			of Uple		of at	
2	COUNTIES.	Number Cigars,	, Value,	Number Cigarettes,	Value.	Cost of Production and Material Used (including Mill or Mine Supplies and Fuel).	Value of Work (including Custom Work and Repair- ing).	Gallons.	Value.	Barrels.	Value.	Number of Bules Cotton Ginned at This Year.	Value.	Number of Bales land Cotton Ginn This Year.	2,711,45
Alachu	ıa						\$ 1,827,600 62,950	203,000 : 197,000 412,300	122,400 140,560 84,320	8,489): 16,750 15,590	237,000	904	\$ 69,400	1,650	16,50
Bay . Bradfo	rd	40,000				1,246,225 260,136 584,114	62,950 1,500,750 399,464 658,915	185,790 20,450	73,196 8,180	15,520 11,889 1,150	89,951 6,900			4,290	1,141,12
Brevar Brown	rdrd	40,000	1,409			259,760 375,506	259,650 465,662	326,350	116,996	19,952	162,828	225	33,750	428	107,00
Citrus Clay						76,058 14,805	98,800	75,500	63,800	27,850	44,425	120	18,700	2,510	280,00
Columb Dade DaSote	d rd in bia	800,000 72,000	10,000			1,063,975[3.941,020	16,000	47,750 44,850	6,025 5,807	178,600 59,570			200	50,00
Duyal Escam	bia	317,060	692,797			11,870,654 2,306,576 165,100	14,420,624 2,588,877 213,800	98,700 82,000	41,000	4,550	27,300				
Flagler Frankl Gadade	r Unen					923,500 187,095	1,399,400 200,400 178,630	259,315 29,500 137,500	9,076,025 7,640 54,000	15,080 1,280 20,310	106,040 9,300 52,150		2,500	4,200	378.00
Hamui Hernai Hillsbo Holme Jackso	bla r II n en tou ndo orough son ette	416,154,000	27,609,055	7,800,000	154,000	548,000 11,762,037 847,788 27,051 158,662	740,500 80,127,549 9,250,510 80,809 275,385	62,400 14,950 3,802,625 48,900	36,000 8,897 448,754 26,360 12,060	1,552 81,025 3,251	45,000 10,203 544,025 33,160 3,400	1,322	200,000		163,0
Lafaye	ette					423,200 263,049	114,200 381,954 285,750		12,000						
Lee . Leon						741,882	1,379,824	144,200	147,868		94,482	1	176,000		
Libert Madis Manat	on tee	225,0001	10.0001			718,450 163,971 229,100 1,207,320	924,800 322,833 723,100 1,420,115	65,850 135,000 134,000	335,996 498,380 45,000 70,000	4,050 5,400	34,416			1,860	430,8
()kalo	on tee on oe u u obsa						365,737 104,900 140,241	108,000 56,000 633 68,000	60,000 22,230 19,000 29,060	1,900	94,600 28,075 38,000 28,487	205	26,750		**********
Orang Osceol Palm	la	2,638,200	94,849 25,750 22,000				\$ 1U.1UU	310,000	178,000 6,000	16,800	29,600 5,300	550	57,500	1,500	350,
Pinell Polk Putna Santa Semia	las	475,000 45,600 6,500	16,680 17,160 13,000			483,266 2,324,186 531,351 40,007 676,021	3,913,600 610,302	162,500 188,750 0 58,036	81,250 47,620 22,508	1	92,700 56,230 30,071 35,000	20	8,000 13,000		
St. J. St. L. Sum	ohns	3,606,880 3,960	110,287 4,560			265,21	320,013	19 545	7,92	1.569	8,61- 68,500	10-	15,600		865
Taylo Volus Wako	Moan cole cole cole cole cole cole cole cole					80,256 1,500,446 28,836 444,113 420,176	$egin{array}{lll} 3,519,820 \ 41 & 42,761 \end{array}$	0 101.000 0 60,500 7 02,000 5 304.450 0 277.058	34,459	0 , 3,310 2 5,942 8 33,259	62,500 61,613	3		9	

Not reported.

•Not reported,

TABLE NO. 2-MANUFACTURES-TOTAL FOR STATE, BY COUNTIES.

	g Lands,	cra,	Men 16 Years and Over.	Women 16 Years and Over.	Children Under 16 Years.	at Any In This	t Any
COUNTIES.	Number of Ustabilshments. Capital Invested (Including Lindlidings, Improvements, Ma	Average Number Wage Enrace Total Amount of Wages of All Employes.	Averuge Number. Total Amount of Wages Paid These Men.	Average Number. Total Amount of Wages Faid These Women.	Norage Number, Fotal Amount of Wages Prid These Children,	Greatest Number Employed One Time During the Year Industry.	Least Number Employed at One Time During the Year in Industry.
Alachus Raker Bay Rradford Brevard Browar6 Calhoun Citrus Columbia	140 \$ 1,050,009 56 258,150 123 1,098,850 147 154,050 11 400,319 31 115,875 41 713,640 7 128,500	683 \$ 358,64 433	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 194 07,300 9 29 1,357 21,357 11 2,600 1,4 20 4,650	13 3,350 3 600 42 7,750	3,400 770 182 1501 985 187	563 221 485 352 73 640 95
Dade DeSoto Duval Escambia Flagier Frankin Gadsden Hamilton Hiernando Hilisborough Holmes Jingkson Jefferson Lafeyette Lake	284 32,704 28 2,990,918 381 2,098,225 514 6,275,076 103 4,849,358 15 112,000 57 1,865,900 39 56,850 68 186,300 124 686,100 1,932 14,038,965 21 549,769 48 483,850 316 326,590 48 1,108,825 50 559,163 28 490,700 166 895,565	348 52,900 839 709,460 2,491 1,565,871 7,876 3,978,89 5,027 4,007,84 446 24,100 1,632 278,855 493 120,200 464 321,59 21,243 15,143,470 436 125,533 250 88,911 986 115,99 1,179 827,14 486 202,53 1,48 21,58 1,693 401,04	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$egin{array}{cccccccccccccccccccccccccccccccccccc$	20 3,552 16 5,000 61 15,466 320 17,204 3 870 3 75	531 987 5,183 7,204 6,053 450 2,128 1,875 505 605 21,243 531 281 911 1,350 527 224 1,039	163 580 1,004 4,860 780 408 1,018 311 836 391 21,243 186 1,097 1,018 285 983 553
Leon "Levy Ltherty Madison Manatee Marion Monroe Nassan Okaloosa Okeechobee Orange Osceola Palm Beach Pasco Pincilas Putnam Samta Rosa Seminole St. Johns St. Locle *Sumter	24 302,092 53 71,705 46 345,450 187 1,188,150 10 1,024,012 35 136,950 24 134,610 13 213,440 79 1,880,553 45 209,275 115 467,079 216 1,712,870 42 649,350 18 529,300 230 1,854,800 54 1,359,752 11 287,750 85 885,835 25 136,215	698 308,49 328 104,86 335 226,98 1,652 607,99 1,361 909,41 182 83,05 184 52,91 264 288,96 1,016 540,87 144 133,85 825 539,17 2,198 658,01 273 18,79 520 282,13 1,095 1,066,38 1,243 739,09 142 05,47 577 482,50 102 94,52	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	20 3 500 9 264 34,410 7 243 74,050 9 2 1,500 1 33 17,600 0 22 4,813 0 2 1,500 0 220 4,000 0 12 5,635 5 5 2,780 0 46 28,098 8 1 600 1 256 55 5 2,780 0 1 260 0 1 260 0 1 260 0 220 0 220 0 320 0 12 5,635 0 1 2 2 3,612 0 1 2 5,635 0 2 2 3,612 0 1 2 5,635 0 2 2 3,612 0 2 2 3,612 0 1 2 5,635 0 2 2 3,612 0 1 2 5,635 0 2 2 3,612 0 2 2 3,612 0 1 2 5,635 0 2 2 3,612 0 2 2 3,612 0 3 2 3,612 0 3 2 3,612 0 4 3 2 3,612 0 5 5 5 5 5 5 2,780 0 1 2 5,635 0 1 2 5,635 0 5 6 8 2 5,780	20 2,052 4 1,450 47 3,620 1 235	748 441 594 1,717 1,795 284 228 339 1,333 152 1,010 2,411 423 608 2,420 1,721 217 663 141	454 246 1,246 1,242 147 115 107 620 119 686 1,500 172 395 1,598 744 101 542 80
Sumter Suwannec Taylor Volusia Wakulia Walton Washington Grand Total	23 38,275 38 1,445,800 285 2,811,740 24 208,020 52 1,524,722 37 501,275	462 29,45 1,660 232,50 2,157 1,205,19 264 76,12 1,481 040,56 1,112 449,93	0 1,660 232,800 1,169,51 1,169,51 73,62 5 1,480 640,46 0 1,108 449,45	0 185 48,000 19 1 7: 5 1 100 5 4 47:	22 2,492	136 1,883 2,804 355 1,553 1,167	51 827 1,187 185 1,409 989

ı.	e Cream Manufacturing	11	3001	11:	2501	11	2501					
M	achine Shops	3	1,500] 4,500[5 101[4,000	10	4,000					
M	arine Ways' Hilinery Shops oreity Works	2] 3]	1,800 2,600	5 5	$1,800 \\ 1,200$	5	1,600].					
N	eval Stores	$\begin{bmatrix} 1 \\ 20 \end{bmatrix}$	1,200 435,000	341	1,000	320	$\begin{bmatrix} 1.000 \\ 112.550 \end{bmatrix}$.		1115.}	12 2,000	1.577	98
Pi	umbing and Repairs	5	1,100 45,000	37	2,200 14,000	37	2,200 . 14,000 .		:::::(:		57	15
R	ice Cleaner	1	500	1 5	300 1,650	1 5	3001.					
S21	aip Building	10	50,000 392,100	50 442	$10,000 \\ 152,900$	801 ° 442	10,000				1,641	10 88
110	epair Shops	18	6,250	20	6,400	20	6.400 .					
Ţ	inner	i	300	1	150	î	150					
				BR	ADFORD (COUNTY.					•	
27	Grand Total	147 \$	154,050	624 \$ 271}	192,429	595 8 271	191,0991	20 \$		***************************************	770] 3491	485
C	poperage	13	670 800	îŝ	3,910	13)	3,910				12	199 12
81	mingle Mills	11	21,600	ยกู้	26,160	80	26.1001.				86	40
~ C	foom Factory	1	2,000 1,500	힘	1,500	2 3	1,590].				2	40
В	hoe Repairs	18	13.250	26	1,650 13,050	26	13.0501.				27	24
G	low Factory	8	4,000 11,500	11	1,800 6,450	11	6.450	1			12	10
F	rist Mills	20 3	6,150 285	34	3,135 160	34	160				33	83 3
R	ean Hullers	1	100° 125[.1	150 100	1	100				1	1
1/	ross Tle Manufacturing	8	8,500 8,000	20 20 17	8,500 9,800	33 29 17	1,800 L		600		63	32 20 16
10	ord Wood	2	2,500 16,000	17	5,700 2,520	17	2,520]				24 9	16 5
C	eweler and Repairs	27	2,000 5,015	- 30	$\frac{1,000}{3.210}$	18	2,480	12	730	*********	30	30
5	often Ging	51	32,200	59	7,480]	59	7,4801				701	49
<u></u>		11]\$	506.310!	4381\$	105.4091		99 45N	=10	कर गहना	B14 000	4041	
ē	Grand Total	11	5001	1]	1,092	428 8	$\frac{83,452}{1,092}$		21,357	3(\$ 600		352
	aw Mills	2	17,5001 402,000	83 340	42,430	59 57	23,960	1	16.845	3 600	781 3801	46 280
S	Inchine Shops	1	17,361 [68,000]	11 21	9,245 8,837	21	5,653 8,837		3,812		46 25	18
À	ntomobile Repair	, 1 <u>1</u>	3,0001	2	3,000	COUNTY,	3,000				31	1
	Grand Total	3118	115,875	111 8	74,850]	100 8	72,250	11 \$	2.6001		156	73
Ī	levele Repairs	4	5,900]	3	1,550	31	1,350		!		6	3
15	locksmith Shops	1	2,250 3,500 100	1	1(590) 4,500	4	4,500)				10	25
0	igar Factory	Ġ	32,100	20	22,600	20	-22.6001				100	15
3	Iacklue Shops	1	3,500 1,270 75	1	1,250	. i	1,250			***************************************	2 2	1
- 4	deture Frame Works	5	26,000 26,000	68	82,750	58	32,7901			*******	63	I 41
FE	offing Works In Shop	1	9,000 200		1,600		2,000				1 1	1
j	anning factories	<u> </u>	23,506 8,500	21	4,600 4,000	10		11	2,000	<u> </u>	24	i
					CITRUS (COUNTY.						
ĵ	lirand Torni	715	128,500	130 \$	58,064	110 \$	73,414					97
- (Tarages and Renair Shops	2	6,000	100	3,100 49,240	5 80	3,100		1.486	**********	8	1
	rate Factory Otton Gln	1	3,700 4,000	4 15	1,000	4	1,000				. 81	* 70
j.	ce and Light Plant	il	13,500	15	3,524	13						15 3
						COUNTY.						
j	Grand Total	41 8	313,640 8,500	803 \$ 10	320,760 1,800	761 8 10				42 \$ 7,75		640
3	Brick Kins Blacksmith Shop Ontinn Clas	1	3,500 3,500	11	300 8,000	. 10	300					18
5	Option (Sing	7	3,700	4	1,109	4	1,100				3	3 4

				0, (11101		I		-		m.rta	Tudan	jac <u>a The</u>	5.5
			ands,	ž	_	Men 16 Y		Women 16 Ov		· 16 1	n Under lears.	t Any	Any This
	NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number of Establishments.	Capital Invested (including Lands, finifdings, Improvements, Machin- ery, Cash).	Average Number Wage Enrners.	Trial Amount of Wages of All Employes,	Ауегаде Number.	Total Amount of Wages fald These Men.	Ауегиде Мишьет,	Total Amount of Wages Fald These Women.	Average Number.	Total Amount of Wages Pald These Children.	Greatest Number Employed at One Time Durlog the Year in Industry.	Least Number Employed at the Time During the Year in Industry.
					ALACHUA (COUNTY.							E47
	Grand Total	140 8	1,050,000	6631\$	358,547	613 \$	343,947	50 \$				728	563 112
*	Cotton Gins Bla.ksmith Repair Shops Ice Manufacturing Iron Foundry Gas Plant Paint and Repair Shop Saw Mills Garages and Repair Shops Naval Slores Taltor and Repair Shops Grisi Mills Tin Shops Flumbing and Repair Shops Bleycle and Repair Shops Millinery Shops Blakerics Jewelry Shops Shop Shop and Repairs Fertilizer Plants Laundries Gunsmith Furniture Repair Shops Cabinet Shop Ilottling Works Vulvanizing and Repairing Wagon Manufacturers and Repairs Grand Total	17 16 5 2 1 1 9 16 14 1 1 1 1 1 3 3 4 6 6 1 1 2 1 2 1 3 3 4 6 6 1 1 2 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	321,000 12,900 12,900 23,000 20,000 1,000 83,200 276,000 1,000 10,800 1,500 2,000 2,000 3,000 6,400 11,500	107 28 21 31 55 193 293 293 293 293 293 293 293 293 293 2	13,970 14,200 10,807 24,200 6,900 1,200 69,900 34,400 86,250 2,500 3,420 4,100 2,000 5,000 7,500 4,600 4,600 1,500 1,500 1,000 1,000 12,000	88 28 21 31 5 198 238 42 25 199 40 199 7 120 7 121 7 8 9	10,307 24,000 1,200 1,200 88,250 88,250 2,500 4,100 2,000 4,600 1,700 1,	24 3 1 1 1 1 182 \$	5,000 5,000 800 2,800	\$		112 28 38 8 10 10 41 208 4 2 5 7 10 7 10 7 10 7 10 7 10 10 10 10 10 10 10 10 10 10 10 10 10	28 19 153 38 131 22 42 67 10 79 25 18 13 10 76 33
	Saw Mills	81	91,000	113)	43,1001	113	43,100						
	Naval Stores Cotton Gins Cooper Shops Corn Mills Blacksmith Shops Shingle Mills Garages Tallors Millinery Shops Millinery Shops Planine Mills	5 5 13 11 3 1	113,000 17,560 1,100 14,000 11,250 5,000 3,500 100 200 1,500	201 27 44 13 16 7 6 1 2 2	99(180 9,300 2,800 2,900 13,900 3,000 5,500 600 1,000 500	76 9 21 5 10 . 7 6 1	36,650 5,600 1,400 1,000 9,600 3,000 5,500 600	125 18 23 6 6	4,800 1,200 1,000 4,300				
					BAY CO	UNTY.							
	Grand Total	124 8	1,093,850	1,052 \$		1,037[\$				15[\$		3,400	221
	Boltling Works Rlacksmiths Bakerles Boat Repairing Brick Kiln Cooperage Shops Cannerles Dry Kilns Cross Ties Electric Plants Grist Mills Feed Mill Ice Factories	21 11 27 11 19 12 11 22 31 21	25.000 3,500 1,200 2,270 4,000 3,900 20,000 6,000 38,000 1,500 1,500 4,000	20 20 20 30 18 19	5,400 3,325 1,500 1,900 450 450 9,500 3,600 7,000 200 3,400	12 14 12 20 3 20 8 18 18	3,325 1,500 1,900 1,900 1,900 1,7,150 1,500 1,500 1,500 1,500 1,75					31	8 2

.

Ladder Factories

	Laudder Factories Laundries Millinery Naval Stores Pressing Clubs Flumbling Planing Mills Packing Houses Frinting Works Racksmith and Repairs Veneering Saw Mills Cross Tles Vulcanizing Weil Drilling Rice Mills Feed Mills Syrup Manufacturing	4) 6) 111 4) 30 8) 444 22 28 6) 10 11 11 3)	709 71,025 4,469 410,000 11,025 5,209 48,090 341,599 48,090 60,525 50,630 117,000 2,750 1,400 250 500	51 317 54 525 591 100 657 13 16	490 38,390 2,590 189,590 1,390 2,290 32,600 181,480 26,420 21,700 110,000 601,000 1,000 20,100 11,500 1,500 200 400 DUVAL	4 23 14 317 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	18,300 2,900 189,500 1,800 2,240 32,600 184,460 26,420 24,700 110,000 20,100 20,100 11,500 20,200 20				27 10 405 9 84 724 125 126 1,861 1,861 13 14 14	19 10 245 4 88 884 881 885 881 881 881 881 881 881 881 881
	Grand Total		9,245,045}		3,978,894		3,671,308	614]8	802,796	-1\$1	7,2041	4.860
	Automobile Repairs Bleycie Repairs Bakeries	36 27	45,800 50,775	131 47	184,540; 36,500;	131 47	134,540 36,400	· · · · · · · · · · · · · · · · · · ·	11000		160 50	100 35
	Bottling Works	11	131,000 85,000	142 50	117,100 37,000	135 46	35.050	4	2,000		179 [63]	113 40
	Broom Factories	18	28,000	20 35 38	23,590 24,500	26 25	23,500 10,500	10	1,950 8,000		29) 501	24 18
	Clothes Recolvers	1	30,000	38	9,500 43,900	12	4,300	26	6,200		45	30
	Concrete Works Clgar Manufacturers	2	70,000 253,800	90 380	109,500	90	109,500		008		78 114	60 80 358
	Candy Manufacturers	, <u>§</u>	15,500	24	282,553 7,000	330 12	251,400 $4,550$	59 12 <u> </u>	31,358, 2,450		401 24	358 17
	Crackers Manufacturer Contractors Contractors Contractors	1	130,000	00 20	56,000	25 20	28,500) 8,000	35	32,500		96) 201	50 10
	Cotton Oil Products Cabinet Makers	7	300,000 2,800	100 13	45,000 12,200	100	45,060			1	110	40
	Carriage Manufacturers	1	1,000 80,100	73	2,000 (14,500)	73	33,111110				4	2
	Distillation Pine Products	18	6,600	100	28,800 f(0,000	100	1,400		25,200		80 80	61 41 90
	Dying and Cleaning Works	4	22,700 25,000	45	27.500	45]	27,500	1			110	33
_	EMERITE BUG CONSTRUCTION	1	30,000	26 83	16,500 38,000	20 85	16,500 18,000				190	18 65
~3	Forfillzer Manufacturers Horse Shoeing	6) 10	2,650,000) 4,550	795 18	280,490 13,200	795) 18	289,4900				1,115	560 16
	Hat Manufacturing and Repairing	28	3,000 24,900	33	6,000 17,150	- ß	11,892				(1)	G
	Jewelry Repairing	5) 19	255,000 25,250	210 51	182,450	210	162,450		5.458		288 288	27 167
	Laundries Locksmiths	22	109,100	436	$\begin{array}{c c} 68,100 \\ 176,825 \end{array}$	230	103,9501	2061	72,875		60 495	40 307
	MILLIDETE	11	33,480	81	5,300 42,600	1	500 500	60	42,100	1	78	6 43
	Machine Shops Mattress Manufacturing	19	500,700 1,000	296	3.000	294	1,690	2	2,000 1,400	-[342	43 253 4
	Metal Products	61 1	2,300 139,000	14 60	12,320 20,500	14	12,320			1 2 1 1 1 1 1 1 1 1 1	17	3वीं नुस
	Musical Reput Shops	3	1,000	23	20,750	68	20,750				20	13
	Navelsy Works	i	Dido.1	1	1,000′ 1,800	i	1,800;				1	1
	Pleture Frame Manufacturers Papering and Fainting	2	2,000 12,000	8	1,000 6,800'	8	6,800				10	1 5
	I'ndlographers	11	$25.5001 \\ 14.9001$	34 21 210	37,000 18,500	34] 21	27 0001		l l		52	20 15
	Newspaper Publishers Plumbers	3 9	500,000 54,500	691	220,000 08,540	203	200,0001	19	13.000		233 223 29	174 51
	Ostrich Plumes and Farm	24	230,700) 5,000(176	4,000	135	128,400 3,200	43	28,5001		208[135
	Painters	<u>(i)</u>	3,000	12 21	13,300 24,000	12	12.300		800		15	11
	Tallors Naval Stores	រព្ឋ	24,6001	55.	43,800	21 72	売売,と1117		I,19414)		. 72	17 41
	Tent and Awning Manufacturers	17	140,000 2,500	145 12	51,600 12,800	145	9,500	31	2,500		170 (8)	115 8
	Trunk Manufacturing	1	10,8(0)	1† 4.	1.1.00 0.400	1	1.2001				2	1
	Ship Datistone	1	2,550,600	1,007	576,826 42,000	957	4107-0-01	4111	24,000		1.304	741
	Syrup Manufacturers Shoe Repairing	5 3	14,000	18	10,000	57 18	18,000				05 22	42 12 91
	Show Case Manufacturing Red Spring Manufacturing	T T	25,700 25,000	09 (4)	74,750; 8,000	98 10	8 000	I			108	6
	Umbrella Manufacturera	1	25,000 1,500	30	32,000 3,400	30	2,000 2,500		200		40	20 5
	Well Drillers	1 6	10,000 4,200	61 101	0,000 12,200	10	6,000			-	101	20
	Planing Mills	Ť	126,000	124 45}	85,000[114	7100	10	13.500	* *********	(5) 153]	93 40
	Shingle Mill Pressing depairing and Cleaning Sign Failners	12	22,700	45	24,500 27,500	45 45	27.50.0				55 52	83
	THE THE THE PERSON OF THE PERS	- 01	4.mmi	12	13,300	12	10.3001				16	11

		g Lands,		-	Men 16 Y	Years and	Women 16	Years and	Childr 16	en Under Years.	Any	This
NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number of Establishments.	Capital fuvested (including La Pulldings, fraprovements, Ma ery, Cash),	Average Number Wage Earners	Total Ameunt of Wages of All Employes,	Ауегада Митьек.	Total Amount of Wages Faid These Men.	Аусгаже Number.	Total Amount of Wages Loid These Women,	Average Number,	Total Amount of Wages Paid These Children.	Greatest Number Employed at One, Time During the Year in Industry.	Least Number Employed at One Time During the Year in Industry.
Ice Factories Repair Shops Saw Mills Naval Stores	1 3 10 17	20,000 350 2,267,950 414,140	2 3 374 406	1,500 1,200 177,980 141,930	$\begin{bmatrix} 2 \\ 3 \\ 337 \\ 401 \end{bmatrix}$	171,230			3 ₇	6.750	3] 4] 434 522	2 3 292 317
				COLUMBIA	COUNTY,							
Grand Total Blacksmith Shops	234 .	\$ 32,794 3201	348.8	9 9901	167 8		181]			\$	531	163
Since Shops Naval Stores Cotton Gins Saw Mills Griet Mills Wood Mills Machine Shop Miscellaneous Canning Manufacturing	2 1 1 2 205	1,050 46,000 11,000 4,300 900 350 6,000 2,410 1,864	4 82 28 25 4 1 10 4 181	2,300 13,575 2,810 6,022 725 150 5,000 800 20,300	82 286 25 4 1 10 4	2,300 13,575, 2,810 6,022 725 150					134 29 41 21 16 16	83 18 8 1 1 6 2 85
				DADE	COUNTY.							
Gand Total	28):	2,996,918	839)8	709,469	817 \$	399.813	22	9.656		\$	987	580
Light and Power Company Electrical Repairs Machine Shops Quarry Stone Works Dredging Irrigation Installation Gas Manufacturing Fisherles Ruilding Contractor Blacksmiths Road Building Foundry and Machine Works Cigar Manufacturing Painters and Trimmers Motorcycle Repair Vuicanizing Water Works Company Garages	1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	525,685 32,800 211,442 3,000 500,000 30,000 700,000 234,415 11,000 40,000 2,700 10,000 7,500 1,000 498,076 5,800	71 28 36 100 5 300 7 71 60 5 18 40 12 4 15 4 4 15	49,408 23,880 31,267 132,222 4,600 220,000 6,500 51,006 32,036 4,000 22,360 62,400 16,645 3,000 5,900 2,800 1,950 30,997 9,300	70 24 35 85 5 300 7 70 80 5 18 40 12 4 15 4 2 48 18	40,406 20,184 30,768 130,063 4,600 220,000 6,500 49,406 32,038 4,000 62,400 5,000 5,000 1,550 1,950 3,997	1 4 1 15	1,600 3,796 500 2,160			71 28 48 100 33 475 10 71 20 12 75 16 6 20 41 31 10	71 18 28 70 3 250 4 71 26 20 9 1 10 0 2 5 10
Grand Total	38113	2,098,225	9.40118	1,565,875		1 585 875)		5	1	•	5,1831	1,904
Asphalt Pianis Boat Building Bakerles Bicycle Repaire Bottling Works Cooperage Cigar Factorles Canning Factorles Electric Piants Fisherles Garages Grist Mills Cotton Gins Irrigation Plants Ice Plants Jewelry Repairs	11 22 33 22 37 51 29 29 29 29 38	7,090 5,700 3,000 1,100 8,000 3,000 20,000 100,600 162,000 15,000 5,000 38,140 68,000 10,300	8 19 4 29 10 20 80 125 10 6 10 10 10 10 10 10	6,000 5,100 4,000 1,409 5,000 8,000 20,000 12,500 5,185 1,600 5,100 21,570 20,000 3,500	8 20 88 125 70 101 6 181 20 4	6,000 5,100 4,000 1,400 5,000 8,900 4,200 20,000 26,480 125,000 59,185 1,600					10 43 71 44 16 9 8 40 130 230 98 10 12 213 28 4	5 17 4 2 7 9 5 10 64 48 50 10 1 1 128

Naval Stores Shingle and Lumber Mills Planing Mill	4 7	542,500 282 725,000 455 10,000 10	84,600 24,750 8,090	282 475 10	24,750					875 675 10	450 4
A PRODUCE STORY			GADSDEN (OUNTY,						ŝ	
Grand Total	* 28 \$ 2	530,650; 498	\$, 224,108	450[8	[7,308]	18 \$			\$	1,857)	311
Garages Saw Mills	10(5,500 11 15,900 51	7,000 · 14,350	11 51	14,350					17	17 200
Fullers Earth Companies		375,000 300 11,200 19	160,000 5,820	300 19	5.8201					1,620 21	11
Grist Mills	11	20,800 10	5,038 3,100	10	7.038				1	10	5
Blacksmiths Naval Stores	2	3,450 8 25,000 59 80,000 35	14,800 14,000	41	12,000	18	2,800			65 55	42, 24
Brick Yards	#1		HAM1LTON (13.700/	,					
	08 \$	180,300 4531		45718	114.8001			16	18 5,600	503?	836
Navai Stores	13	71,000 218	43,300	218	43,300]					245 43	142 81
Cotton Gins	8 15	$ \begin{array}{c ccc} 14,220 & 45 \\ 0,000 & 25 \end{array} $	3,800 9,950	45 25	9.050			1		21	19 20
Grist Mills	18	4,650 20 5,150 6	4,050 2,650	20	AL MARKANI					20[6]	6
Electric Plants	1	6,090 2 1,450 6	3,000	8	3,000					21 61	2
Rottling Works Shingle Mills	1	1,800 8	3,300 48,050	107	3,300				*******	9 156	103
Saw Mills			HERNANDO		30,300)			1			
Grand Total	14 *	686,100] 484]		48415	321,5981			1	\$	695	89)
Saw Mills		546,200] 403]	239,000	4031	239,000				[490 95	823 48
Naval Slores	3 1	93,000 60 30,000 5	36,600 30,998	[60] [60]	30,998[5	5
Garage Feed and Grist Mill	1)	5,000 5 7,000 3	3,000 3,000	3	(1,000)					3	3
Blacksmiths Repair Shops	2	3 3,000 4	3,000 4,000	4	3,600 { 4,000 [41 35	4
Reput Shops	-/		LSBOROUGE	COUNTY.							
		Sale Sant Control		10 5000	in una una)	4 60011	2.825,658	1 04	10 45 4501	21,2451	21,243
Grand Total	1.0821\$14.	[036,963] $21,243]$	\$15,143,478	16,522(\$)	12,402,504	4,00011	2.820,000		15,456	41,444	
Grand Total Bakerles	27	95,350 167	112,504	146	105,432	61	3,900)} 15	3,172	167 27	167
Bakerles Blcycles and Motorcycles Blacksmiths	27 16 30	95,350 167 10,350 25 21,450 59	112,504 20,936 51,524	148 27 39	105,432 , 20,036 51,324		3,900	15	8,172	167 27 59	165 27 59
Bakerles Bicycles and Metorcycles Blacksmiths Bottling Works	27 16 30	95,350 167 10,350 25 21,450 59 127,000 45 350,000 581	112,594 20,936 51,524 32,088 425,084	146 27 39 95 202	105,432 , 20,036 51,524 27,564 270,504	6 4 289	2,964 - 155,480	17	3,172	167 27 39 451 581	167 27 50 45 581
Bakerles Blcycles and Motorcycles Blacksmiths Bottling Works Box Faclories Candy Manufacturers	27 16 30 7 3	95,350 167 10,350 251 21,450 59 127,000 45 350,000 581 12,600 50 38,150 122	112,594 20,936 51,524 82,088 425,084 20,952 96,814	146 27 39 95 202 27 122	105,432 , 20,036 51,324 27,564 270,504 , 15,756 96,814	6 	2,964 2,964 155,480 14,196	17	3,172	107 27 59) 45) 581 581 501 1221	167 27 59 45 581 50 122
Bakerles Blcycles and Motorcycles Blacksmiths Bottling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories	27 16 30 7 3 10 10 140 5,	95,350 167 10,350 257 21,450 59 127,000 45 350,000 581 12,690 50 38,150 122 568,425 12,318	112,594 20,936 51,524 32,088 425,084 29,952 96,814 9,890,830	148 27 59 95 202 27	105,432 , 20,036 51,324 27,564 270,504 , 15,756 96,814 7,602,134		2,964 155,480 14,196	10	3,172 1,560 3,596	167 27 59 451 581 501 122 12,315 38	165 27 59 45 581 59 122 12,318 38
Bakerles Blcycles and Motorcycles Blacksmiths Hottling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders	27 16 30 7 3 10 10 149 5,	$\begin{array}{cccc} 95,350 & 167 \\ 10,350 & 27 \\ 21,450 & 59 \\ 127,000 & 45 \\ 350,000 & 581 \\ 12,000 & 50 \\ 38,150 & 122 \\ 568,425 & 12,318 \\ 4,375 & 38 \\ 103,050 & 75 \\ \end{array}$	112,504 20,936 51,524 32,088 425,084 20,952 06,814 9,890,830 21,944 63,456	146 27 59 95 202 27 122 8,543 73	105,432 20,036 51,324 27,564 270,504 15,756 96,814 7,602,134 21,944 65,468	6 	3,900 2,964 155,480 14,196 2,284,900	16	3,172 3 1,560 3 3,796 208	107 27 59) 45) 581 581 501 1221	167 27 59 45 581 581 122 12,318 38 76
Bakerles Blcycles and Motorcycles Blacksmiths Bottling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Manufacturers	27 16 30 7 3 10 10 140 25 31 11	93,350 167 10,350 257 21,450 59 127,000 45 350,000 581 12,000 50 38,150 122 568,425 12,318 4,375 38 103,050 75 9,700 76 8,390 119	112,594 20,936 51,524 32,088 425,084 20,052 06,814 9,890,830 61,456 45,858	148 27 59 95 202 27 122 8,543 38 73 76	105,432 20,036 51,524 27,564 270,504 15,756 96,814 7,602,134 21,944 65,468 45,858	6 289 289 23 3,759	3,900 2,964 155,480 14,196 2,284,900 786 69,602	16	3,172 1,560 3,796 208	167 27 59 451 581 581 122 12,318 38 76 76	167 27 59 45 581 581 122 12,318 38 76 76
Bakerles Bicycles and Motorcycles Blacksmiths Bottling Works Box Factories Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Confee Grinders,—Confee and Tea Bienders Cross Tie Manufacturers Dressmakers Electricians Furniture Repairs	27 16 30 5 3 10 10 140 5, 25 31 11 92 6	93,350 167 10,350 257 21,450 59 127,000 45 350,000 581 12,600 50 38,150 122 568,425 12,318 4,375 38 103,050 75 8,390 119 22,500 38 2,330 26	112,504 20,636 51,524 32,688 425,088 425,085 06,814 9,890,830 21,944 66,456 45,858 67,382 42,796	148 27 59 95 202 27 122 8,543 76 1 1 38 26	105,432 20,036 51,524 27,564 270,504 15,756 96,814 7,602,134 21,944 65,468 45,858 789 42,796 17,160	6 289 23 3,759 1	3,900 2,964 155,480 14,196 2,284,900 786 69,602	16	3,172 1,560 3,596 208	167 27 59 451 581 581 122 12,318 38 76 76 119 38	167 27 59 45 581 581 122 12,318 38 76 76
Bakerles Blcycles and Metorcycles Blacksmiths Boatling Works Box Factories Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Dianufacturers Dressmakers Electrickens Furniture Repairs Garage Repairs	27 16 30 5 3 10 10 140 5, 25 31 11 92 6	93,350 167 10,350 27 21,450 59 127,000 45 350,000 581 12,000 50 38,150 122 568,425 12,318 4,375 38 103,050 75 9,700 76 8,390 119 22,500 38 2,330 26 87,200 267 88,200 788	112,504 20,936 51,524 32,088 425,084 20,952 06,814 9,890,830 21,944 60,456 45,858 67,382 42,796 17,160 277,204	148 27 59 95 202 27 122 8,543 76 11 38 26 267 782	105,432 20,036 51,524 27,564 270,504 15,758 96,814 21,944 65,468 45,868 789 42,796 17,160 277,204	6 4 2 8 9 2 3 3,759 1 118	3,906 2,964 155,480 14,196 2,284,900 786 69,602	16	3,172 1,560 3,796 208	107 59) 45) 59) 45) 58) 122] 12,318) 75 76 119) 88 26 267 788	167 27 59 45 581 581 122 12,318 38 76 76
Bakerles Bicycles and Motorcycles Blacksmiths Box Faclorics Candy Manufacturers Cement Contractors Cigar Factorles Coal Burners Confee Grinders,—Confee and Tea Bienders Cross Tie Manufacturers Dressmakers Electricians Furniture Repairs Garage Repairs General Contractors Grint Mills	27 16 30 7 3 10 10 149 25 31 92 6 20 82 36	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	112,504 20,936 51,524 32,083 425,084 20,952 06,814 9,890,830 21,944 66,858 67,382 42,796 17,160 277,204 721,500 8,042 4,160	148 27 39 95 202 27 122 8,543 38 73 76 26 26 26	105,432 20,036 51,526 27,564 270,504 270,504 7,602,134 65,468 45,858 42,796 17,160 277,204 716,494 8,042	6 4 2 8 9 2 3 3,759 1 118	3,906 2,964 155,480 14,196 2,284,000 786 69,602 5,096	16	3,172 1,560 3,796 208	107 59 451 581 581 122 12,315 38 75 76 119 26 267 788 13	167 27 59 45 581 122 12.318 76 119 267 788 267 788
Bakerles Blcycles and Motorcycles Blacksmiths Bottling Works Box Factories Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Manufacturers Dressmakers Electricians Furniture Repairs Garage Repairs General Contractors Grint Mills Harness Makers Le Cream Manufacturers	27 16 30 7 3 10 10 149 25 31 92 6 20 82 36	93,350 167 10,350 257 21,450 559 127,000 45 350,000 581 12,600 50 38,150 122 568,425 12,318 4,375 38 103,050 75 9,700 76 8,390 119 22,500 38 2,330 26 87,200 267 82,500 788 9,550 13 1,490 4 24,370 68	112,504 20,936 51,524 32,088 425,088 425,088 425,088 40,830 21,944 68,456 45,858 67,382 42,796 17,169 277,204 4,160 41,112	148 27 39 95 202 27 122 8,543 76 1 26 267 782 13 4	105,432 20,036 51,524 27,564 27,564 21,576 96,814 21,944 65,468 45,780 42,796 17,160 277,204 716,494 716,494 8,042 4,160 38,720	6 289 23 3,759 118 118 6	3,900 2,964 155,480 14,196 2,284,900 69,602 5,096	16	3,172 3, 1,560 3,796 208	107 27 59 451 581 581 122 12,315 38 76 119 38 26 129 267 788 13 4 69 18	167 27 59 45 581 122 12.318 76 118 267 267 788 138 267 267 788
Bakerles Blcycles and Motorcycles Blacksmiths Botting Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Manufacturers Dressmakers Electricians Furniture Repairs Garage Repairs General Contractors Grint Mills Harness Makers 1c Cream Manufacturers 1ce Factories 1ce Factori	27 16 30 7 3 10 10 149 25 31 92 6 20 82 36	93,350 167 10,350 257 21,450 559 127,000 45 350,000 581 12,600 50 38,150 122 568,425 12,318 4,375 38 103,050 75 9,700 76 8,390 119 22,500 38 2,330 26 87,200 267 8,550 13 1,490 4 24,370 69 434,200 483	112,504 20,936 51,524 32,088 425,088 425,088 425,088 06,814 08,850,830 21,944 60,456 67,382 42,796 17,160 277,204 721,500 8,042 4,160 41,112 146,484 53,092	148 27 59 95 202 27 122 8,543 73 76 11 38 267 782 13 4 4 66 186	105,432 20,036 51,524 27,564 27,564 15,756 96,814 21,944 65,468 45,858 42,786 42,786 42,776 42,776 41,494 4	6 289 23 3,759 1 118 6.	3,900 2,964 155,480 14,196 2,284,900 69,602 5,096	16	3,172 3, 1,560 3,796 208	107 27 59 451 581 581 122 12,315 38 76 119 38 26 129 267 788 13 4 69 18	167 27 59 45 581 122 12.318 76 118 267 267 788 138 267 267 788
Bakerles Blcycles and Motorcycles Blacksmiths Boating Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Manufacturers Dressmakers Electricians Furniture Repairs Garage Repairs General Contractors Grist Mills Harness Makers Le Cream Manufacturers Lee Factories Jewelers and Wate bRepairers Job Printers and Book Binders Laundries	27 16 30 5 30 5 30 5 30 10 140 5 31 11 92 6 20 62 36 7 3 37 10	93,350 167 10,350 271 10,350 271 1450 591 27,000 45 350,000 581 12,000 50 38,150 122 568,425 12,318 4,375 103,650 75 9,700 76 8,390 119 22,500 38,2330 26 87,200 267 282,500 788 9,550 13 1,400 4 24,370 69 472,500 186 34,200 121 33,900 121 335,925 306	112,504 20,936 51,524 32,083 425,084 20,952 06,814 9,890,830 21,944 66,456 45,858 67,382 42,796 17,160 277,204 721,590 8,042 41,112 146,484 53,092 108,184 108,184 108,184 11,142 116,184 116,	148 27 59 95 202 27 122 8,543 76 18 26 267 782 13 4 66 180 42 92	105,432 20,036 51,524 270,564 270,564 15,756 96,814 40,1944 65,468 45,789 17,160 277,204 716,494 8,042 4,160 38,720 146,484 52,260 82,310	6 4 289 23 3,759 118 118 6 6 1 29 162	3,900 2,964 155,480 14,196 2,284,900 786 69,602 5,096 2,392 23,965 73,204	16	3 1,560 3 3,796 208	107 27 59 451 581 581 122 12,318 76 78 119 261 267 788 13 4 69 186 43 121 386	167 27 59 45 581 122 12.318 38 76 119 26 267 788 13 4 69 186 43 121
Bakerles Blcycies and Motorcycles Blacksmiths Boating Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Manufacturers Dressmakers Electricians Furniture Repairs Garage Repairs General Contractors Grist Mills Harness Makers Ie Cream Manufacturers Ie Cream Manufacturers Jewelers and Wate bRepairers Job Printers and Book Binders Laundries Macaroni Factories	27 16 30 5 30 5 30 5 30 10 140 5 30 11 92 6 6 20 6 82 36 7 37 10 22 36 7 37 10 22 37 10 40 40 40 40 40 40 40 40 40 40 40 40 40	93,350 167 10,350 271 10,350 271 10,350 271 121,450 591 27,000 45 350,000 581 12,600 50 38,150 122 568,425 12,316 4,375 103,050 75 9,700 76 8,390 119 22,500 38,2330 26 87,200 267 282,700 788 9,550 13 1,490 424,370 69 424,370 69 34,200 135,925 306 14,500 20 14,500 20 14,500 20 14,500 146	112,504 20,936 51,524 32,083 425,084 20,952 06,814 9,890,830 21,944 66,456 45,858 67,382 42,796 17,160 277,204 721,590 8,042 41,112 146,484 53,092 108,184 108,185 108	148 27 59 95 282 27 122 8,543 8,543 76 13 26 267 782 13 4,66 186 186 186 186 186 186	105,432 20,036 51,524 270,564 270,564 15,756 96,814 7,602,134 21,944 65,468 45,858 47,796 17,160 277,204 716,494 8,042 146,484 52,260 82,310 128,176 16,588 16,584	6 289 23 3,759 118 118 6 3 3 162 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3,900 2,964 155,480 14,196 2,284,900 69,602 5,096 2,362 23,868 73,264	16	3, 1,560 3, 3,796 208	107 27 59 451 581 122 12,315 38 76 119 38 26 126 127 267 788 13 4 69 146 121 38 4 6 121 121 121 121 121 121 121	167 27 59 45 581 122 12.318 76 118 267 267 788 138 267 267 788
Bakerles Blcycles and Motorcycles Blacksmiths Boatling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Te Manufacturers Dressmakers Electricians Furniture Repairs Garage Repairs Garage Repairs General Contractors Grint Mills Harness Makers 1e Cream Manufacturers 1ce Factories 1ewelers and Watc bRepairers Job Printers and Book Binders Laundries Macaroni Factories Macaroni Factories Machine and Iron Works Markets—Manufacturing Department	27 16 30 7 3 10 10 149 5, 25 31 11 92 6 20 82 36 7 37 10 22 36 7 29 22 28 4 13	93,350 167 10,350 257 21,450 559 127,000 45 350,000 581 12,600 50 38,150 122 568,425 12,318 4,375 38 103,050 75 9,700 76 8,390 119 22,500 38 2,330 26 87,200 267 282,700 788 9,550 13 1,490 4 24,370 69 472,500 43 34,200 43 34,200 43 33,300 121 135,925 306 14,500 20	112,594 20,936 51,524 32,084 420,952 96,814 9,890,830 21,944 61,858 45,858 47,796 17,169 277,204 721,590 4,160 277,204 4,160 41,112 146,484 53,092 106,184 201,470 16,588 169,832 44,328 36,880	148 27 59 95 282 27 122 8,543 8,543 76 13 26 267 782 13 4 66 186 186 267 192 144 20 145	105,432 20,036 51,504 27,504 270,504 270,504 2,68,14 7,602,134 65,468 45,789 42,796 17,160 277,204 4,160 38,720 146,484 52,260 82,310 128,176 16,588 16,588 43,704	6 289 23 3,759 118 118 6 29 162 1 1 1 4 4 5	3,900 2,964 155,480 14,196 2,284,600 60,602 5,096 2,393 23,866 73,294 1,245 62-36,986	16	3, 1,560 3,796 208	167 27 59) 45) 581 581 581 122 12,318 38 76 119) 38 76 119) 38 140 261 267 788 13 4 4 6 43 121 806 43 121 806 89 146 89	167 27 59 45 580 122 12.318 76 119 38 26 267 788 134 49 186 43 121 300 20
Bakerles Blcycles and Motorcycles Blacksmiths Bottling Works Box Factories Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Danufacturers Dressmakers Electricians Furniture Repairs General Contractors Grint Mills Harness Makers Ie Cream Manufacturers Ice Factories Jewelers and Wate bRepairers Job Printers and Book Binders Laundries Macaroni Factories Machine and Iron Works Markets—Manufacturing Department Millners Miscellaneous Manufacturers	27 16 30 7 3 10 140 25 31 11 92 6 20 62 36 7 3 3 37 10 22 22 24 4 13 81	93,350 167 10,350 271 10,350 271 1450 591 27,000 45 350,000 581 12,000 50 38,150 122 568,425 12,318 103,650 75 9,700 76 8,390 119 22,500 38,2,330 26 87,200 267 282,500 788 9,550 13 1,400 4 24,370 69 472,500 186 34,200 121 135,925 306 14,500 20 135,925 306 14,500 20 197,500 146 19,055 89 3,595,00 1,400 34 133,900 121 135,925 306 14,500 20 197,500 146 19,055 89 3,595,050 1,400	112,504 20,936 51,524 32,088 425,088 425,088 425,088 40,830 21,944 68,456 67,382 42,796 17,169 277,204 4,169 277,204 4,164 41,112 146,484 201,470 105,888 169,832 44,888 86,880	148 27 59 95 282 27 122 8,543 8,543 76 13 26 267 782 13 4,66 186 186 186 186 186 186	105,432 20,036 51,524 270,564 270,564 15,756 96,814 7,602,134 21,944 65,468 45,858 47,796 17,160 277,204 716,494 8,042 146,484 52,260 82,310 128,176 16,588 16,584	6 289 23 3,759 1 118 6 2 29 162 1 1	3,900 2,964 155,480 14,196 2,284,900 786 66,602 5,096 2,39,284 23,886 73,284 1,244 62,36,986 98,214		3 3,796 3 3,796 4 208	107 27 59) 45) 581 1221 12,318 76 119 98 26 267 788 13 4 43 121 806 20 146 43 121 806 45 1,340 75	167 27 59 45 580 122 12.318 38 76 119 38 26 267 788 13 4 69 186 43 121 300 146 89 45 1,340
Bakerles Blcycles and Motorcycles Blacksmiths Bottling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factorics Coffe Grinders,—Coffee and Tea Blenders Coffee Grinders,—Coffee and Tea Blenders Cross Tie Manufacturers Dressmakers Electricians Furniture Repairs General Contractors Grint Mills Harness Makers Ic Cream Manufacturers Iceram Repairs General Contractors Grint Mills Harness Makers Ice Factories Jewelers and Wate bRepairers Job Printers and Book Binders Laundries Macaroni Factories Machine and Iron Works Markets—Manufacturing Department Millners Miscellaneous Manufacturers Naval Stores Noveity Works	27 16 30 5 30 5 30 5 30 10 140 5 30 11 92 6 20 6 82 36 7 37 10 22 22 28 4 4 13 81 15 25 26 27 10 28 28 28 28 28 28 28 28 28 28 28 28 28	93,350 167 10,350 271 10,350 271 10,350 271 10,350 271 121,450 59 127,000 45 350,000 581 12,600 50 38,150 122,568,425 12,316 4,375 38 4,375 38 2,330 26 8,390 119 22,500 38,2300 26,72,500 788 9,550 13 1,400 4 24,370 69 472,500 186 34,200 121 133,900 121 133,900 121 133,900 121 133,900 121 133,900 121 133,900 121 133,900 120 133,900 135 139,900 15	112,594 20,936 51,524 32,083 425,084 20,952 96,814 9,890,830 21,944 64,858 67,382 42,796 17,160 277,204 721,590 8,042 41,112 146,484 63,092 106,184 201,470 10,588 65,832 44,328 68,832 44,328 169,832 44,328 36,980 1,001,084 47,320 18,780	148 27 59 95 202 27 122 8,543 76 11 38 26 267 782 13 4 66 180 42 92 144 20 145 88	105,432 20,036 51,524 270,564 270,564 15,756 96,814 46,5468 45,468 45,468 45,786 17,160 277,204 716,494 8,042 4,160 38,720 146,484 42,260 82,310 128,176 16,588 43,704 47,320 18,780	6 4 289 23 3,759 118 118 6 8 29 162 11 45 150	2,964 155,480 14,196 2,284,900 786 69,602 5,096 2,392 23,886 23,886 73,284 1,244 62-36,986 98,214		3,172 3, 1,560 3,596 208	107 27 59) 45) 58) 122; 12,318) 75 76 119) 88 26; 267 768; 131 44 69 186 43 121; 806 20 146 20 146 121; 806 150 150 150 150 150 150 150 150 150 150	167 27 59 45 580 122 12.318 76 119 38 76 119 38 26 267 788 13 4 69 186 43 121 300 146 89 45 1,340 120 146 89
Bakerles Blcycles and Motorcycles Blacksmiths Botting Works Box Factories Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Danufacturers Dressmakers Electricians Furniture Repairs General Contractors Grint Mills Harness Makers Ie Cream Manufacturers Ice Factories Jewelers and Wate bRepairers Job Printers and Book Binders Laundries Macaroni Factories Machine and Iron Works Markets—Manufacturing Department Millners Miscellaneous Manufacturers Naval Stores Noveity Works Opticians Pote Frint Works	27 16 30 5 30 5 30 5 31 10 140 5 20 6 20 6 20 62 36 7 3 37 10 22 22 22 22 24 4 4 4 4 4 4 4 4 4 4 4 4	93,350 167 10,350 271 10,350 271 10,350 271 12,000 475 350,000 581 12,600 50 38,150 122 318 4,375 12,318 4,375 12,318 4,375 12,318 4,375 10,700 119 22,500 38,2300 119 22,500 267 282,700 267,282,700 48,390 121 35,925 14,500 186 34,200 186 34,200 186 34,200 121 135,925 306 14,500 197,500 146 10,053 89 10,055 89 10,05	112,594 20,936 51,524 32,083 425,084 20,952 96,814 9,890,830 21,944 66,858 67,382 42,796 17,160 277,204 721,590 8,042 4,162 146,484 53,092 106,184 201,470 10,588 189,832 44,328 1,001,084 47,320 13,780 9,360 81,252	148 27 59 95 202 27 122 8,543 73 76 11 38 267 267 782 13 4 4 66 186 186 186 186 186 186 186 186 186	105,432 20,036 51,524 270,504 15,756 96,814 7,602,134 21,944 45,468 45,468 45,468 45,786 17,160 277,204 716,494 8,042 146,484 52,260 82,310 128,176 16,588 17,320 128,176 16,588 17,320 128,176 16,588 17,320 18,780 17,780 18,780	6 289 23 3,759 118 118 29 162 1 4 4 5 150 1 8	3,900 2,964 155,480 14,196 2,284,000 69,602 5,096 2,362 73,294 1,247 62- 36,985 98,214	16	3,172 1,560 3,796 208	107 27 59) 45) 58) 122; 12,318) 75 76 119) 88 26; 267 768; 131 44 69 186 43 121; 806 20 146 20 146 121; 806 150 150 150 150 150 150 150 150 150 150	167 27 59 45 580 122 12.318 76 119 38 76 119 38 26 267 788 13 4 69 186 43 121 300 146 89 45 1,340 120 146 89
Bakerles Blcycles and Metorcycles Blacksmiths Boatling Works Box Factories Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Dianufacturers Dressmakers Electrickans Furniture Repairs General Contractors Griat Mills Harness Makers Ic Cream Manufacturers Ice Factories Jewelers and Wate bRepairers Job Printers and Book Binders Laundries Macaroni Factories Machine and Iron Works Markets—Manufacturing Department Milliners Miscellaneous Manufacturers Naval Stores Noveity Works Opticians Poto Print Works Pumbers Pu	27 16 30 7 3 10 140 25 31 11 92 6 20 62 36 7 7 10 22 22 28 4 4 4 4 4 4 4 18 18	93,350 167 10,350 271 10,350 271 10,350 271 12,450 591 27,000 45 350,000 581 12,600 50 38,150 122,568,425 12,318 103,650 75 9,700 76 8,390 119 22,500 267 8,200 267 282,500 267 282,500 131 1,400 4 24,376 69 472,500 186 34,200 121 135,925 306 14,500 121 135,925 306 14,500 146 19,053 89 34,425 45 595,000 175 39,000 15 20,800 7,876 55 1,100 65	112,504 20,936 51,524 32,088 425,088 425,088 425,088 425,088 61,944 60,456 67,382 42,796 17,160 277,204 41,112 46,484 201,470 10,588 189,832 44,736 10,588 189,832 44,736 10,588 189,832 44,736 10,588 189,832 44,732 44,732 44,732 47,736 18,732 47,736 18,732 18,73	148 27 59 95 20 27 122 8,343 76 11 38 26 267 782 14 466 186 186 186 186 186 186 186 186 186 1	105,432 20,036 51,564 270,564 15,756 96,814 7,602,134 21,944 45,468 45,468 45,468 47,796 17,160 277,204 716,494 4,160 38,720 146,484 52,260 82,310 128,176 16,588 178,594 43,704	6 289 23 3,759 118 118 6 29 162 1 4 4 5 150 1 8 8	3,906 2,964 155,480 14,196 2,284,900 786 66,602 5,096 2,395 23,866 73,294 1,244 4,759;		3,172 1,560 3,596 208	107 27 27 27 39 45 58 112 12,318 76 119 88 26 267 788 14 43 121 806 20 146 121 121 121 121 121 121 121 121 121 12	167 27 59 45 581 122 12.318 38 76 119 26 267 788 13 4 69 186 43 121 300 146 89 43 1,340 1,
Bakerles Blcycles and Motorcycles Blacksmiths Boatling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Conl Burners Coffee Grinders,—Coffee and Tea Blenders Cross Te Manufacturers Dressmakers Electricians Furniture Repairs Garage Repairs Garage Repairs General Contractors Grint Mills Harness Makers 1e Cream Manufacturers 1ce Factories 1eweiers and Watc bRepairers 1ob Printers and Book Binders Laundries Macaroni Factories Machine and Iron Works Markets—Manufacturing Department Millners Miscellaneous Manufacturers Naval Stores Noveity Works Opticians Poto Print Works Plumbers Rubber Tire Works Saw Mills Ship Ruliding and Marine Ways	27 16 30 7 30 10 10 149 5 25 31 92 6 20 82 36 7 37 10 22 22 4 13 15 4 4 4 4 18 17 6 25 5 5 5 6 6 7 8 10 10 10 10 10 10 10 10 10 10	93,350 167 10,350 271 10,350 271,450 591 27,000 45 350,000 581 12,000 50 38,150 122,568,425 12,318 4,375 103,650 75 9,700 76 8,390 119 2,500 38,230 26 87,200 267 282,500 38 2,330 26 87,200 267 282,500 13 1,400 4 24,370 69 472,500 186 34,200 121 33,900 121 33,900 121 33,900 121 135,925 306 19,055 89 34,425 44,500 146 19,055 89 34,425 472,500 146 19,055 89 34,425 11,00 65 18,800 15,100 65 18,800 36 7,870 32 51,100 65 18,800 36 7,000 43 43	112,594 20,936 51,524 32,083 425,084 20,952 96,814 9,890,830 21,944 64,456 45,858 67,382 42,796 17,160 277,204 721,590 8,042 41,112 146,484 53,092 106,184 47,329 10,184 47,329 10,184 47,329 10,184 47,329 11,720 1	148 27 59 95 202 27 122 8,543 38 73 76 11 38 267 782 13 4 66 186 186 186 186 186 186 186 186 186	105,432 20,036 51,524 27,564 27,564 21,578 96,814 21,944 65,468 45,868 42,786 42,786 42,784 41,780 41,780 82,310 128,176 16,588 188,584 43,780 43,780 82,310 128,176 16,588 188,584 43,780 4	6 2 28 29 23 3,759 1 118 29 162 1 45 150 1 8	3,900 2,964 155,480 14,196 2,284,900 786 69,602 2,362 2,362 2,362 23,385 73,264 1,244 62-36,821 4,7,59:		3,172 1,560 3,796 208 208	107 27 59 451 59 451 581 122 12,315 38 75 76 119 38 26 267 75 78 18 4 4 4 4 3 121 3 80 45 121 121 123 146 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	167 27 59 45 581 122 12.318 38 76 119 26 267 788 13 4 69 186 43 121 300 146 89 43 1,340 1,
Bakerles Blcycles and Motorcycles Blacksmiths Boatling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Te Manufacturers Dressmakers Electricians Furniture Repairs General Contractors General Contractors General Contractors Grint Mills Harness Makers le Cream Manufacturers lee Factories Jewelers and Wate brepairers Job Printers and Book Binders Laundries Macaroni Factories Machine and Iron Works Markets—Manufacturing Department Milliners Miscellaneous Manufacturers Naval Stores Noveity Works Opticians Poto Print Works Plumbers Rubber Tira Works Saw Mills Ship Building and Marine Ways Shee Makers and Repairers	27 16 30 5 10 10 149 5 25 31 92 6 20 82 20 82 22 28 4 13 5 4 4 4 4 4 4 4 18 25 5 27 28 29 20 20 20 20 20 20 20 20 20 20	93,350 167 10,350 271 10,350 271 10,350 271 1450 591 27,000 453 350,000 581 12,600 50 38,150 122,5068,425 12,318 4,375 103,050 75 9,700 76 8,390 119 22,500 38,2330 266 83,200 267 282,700 48,390 121 35,925 306 14,500 121 35,925 306 14,500 121 35,925 306 14,500 120,800 121 35,925 30,000 15 39,000 15 39,000 15 39,000 15 39,000 15 39,000 15 18,800 36,000 15 18,800 36,000 15 18,800 36,000 15 18,800 36,000 15 18,800 36,000 15 18,800 36,000 15 18,800 36,000 36	112,594 20,936 51,524 32,083 425,084 20,952 96,814 9,890,830 21,944 64,856 67,382 41,7160 41,112 41,60 41,112 146,484 63,092 106,184 201,470 10,582 44,328 36,980 1,001,684 47,329 9,360 9,360 1,001,684 47,329 9,360 9,360 1,252 78,780 31,720 344,188 578,180	148 27 59 95 202 27 122 8,543 38 73 76 11 38 267 782 13 4 66 186 186 186 186 186 186 186 186 186	105,432 20,036 51,524 27,564 27,564 21,578 96,814 21,944 65,468 45,868 42,786 42,786 42,784 41,780 41,780 82,310 128,176 16,588 188,584 43,780 43,780 82,310 128,176 16,588 188,584 43,780 4	6 2 28 29 23 3,759 1 118 29 162 1 45 150 1 8	3,906 2,964 155,480 14,196 2,284,900 786 69,602 5,096 2,39; 23,96 73,294 1,248 6,21 1,046 7,59; 2,400 6,91; 21,06;	16 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	3,172 1,560 3,796 208 208	107 27 59 451 581 122 12,318 76 119 26 126 267 78 13 4 69 146 43 121 306 20 146 43 121 306 20 146 43 15 15 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18	167 27 59 45 581 122 12.318 38 76 119 26 267 788 13 4 69 186 43 121 300 146 89 43 1,340 1,
Bakerles Bleycies and Motorcycles Blacksmiths Bottling Works Box Factorics Candy Manufacturers Cement Contractors Cigar Factories Coal Burners Coffee Grinders,—Coffee and Tea Blenders Cross Tie Nanufacturers Dressmakers Electricians Furniture Repairs Garage Repairs Garage Repairs General Contractors Grint Mills Harness Makers 1c Cream Manufacturers 1ce Factories 1ce Factories Job Printers and Book Binders Laundries Mackers—Manufacturing Department Millners Miscellaneous Manufacturers Naval Stores Noveity Works Opticians Poto Print Works Rubber Tire Works Saw Mills Shin Rullding and Marine Ways	27 16 30 5 30 5 30 5 30 5 30 10 140 5 20 82 20 82 36 77 10 22 28 4 4 4 4 4 4 4 4 4 4 4 4 4	93,350 167 10,350 271 10,350 271 10,350 271 121,450 59 127,000 45 350,000 581 12,000 581 12,000 581 13,000 119 122,500 38,150 123,3650 75 123,300 119 122,500 38 12,300 119 122,500 38 12,300 121 133,900 121 135,925 306 14,500 126 14,500 126 14,500 126 14,500 126 14,500 126 14,500 126 12,500 146 12	112,594 20,936 51,524 32,084 20,952 96,814 9,890,830 21,944 61,858 61,876 47,796 17,160 277,204 721,590 4,160 277,204 4,160 16,588 169,832 44,328 1,001,084 47,320 18,780 9,360 81,252 78,780 344,188 55,152 12,676	148 27 59 95 202 27 122 8,543 76 11 38 26 267 782 13 4 66 180 42 92 144 20 145 88 15 15 18 88 26 18 94 26 18 94 18 18 18 18 18 18 18 18 18 18 18 18 18	105,432 20,036 51,564 270,564 15,756 96,814 7,602,134 21,944 45,468 45,468 45,468 47,796 17,160 277,204 716,494 4,160 38,720 146,484 52,260 82,310 128,176 16,588 178,594 43,704	6 289 23 3,759 118 1	3,900 2,964 155,480 14,196 2,284,600 786 68,602 5,096 2,393 23,365 73,29 1,245 6,23 36,98 98,21 1,046 7,593 2,400 6,911 21,066	15 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	3, 1,560 3,796 208 208	107 27 27 27 27 28 48 122 12,318 38 76 19 26 19 26 18 4 68 18 4 68 121 13 13 14 68 15 16 17 18 18 18 18 18 18 18 18 18 18	167 27 59 45 580 122 12.318 76 119 38 26 267 788 13 4 69 186 43 121 300 146 8 45 1,340 75 15 10 10 10 10 10 10 10 10 10 10 10 10 10

TABLE NO. 3, (FIRST HALF.) -MANUFACTURES-BY COUNTIES.-(Continued)

	eg Landa, Machin		WII WII	Men 16 Y Ove	ears and	Women 16 Ove	Years and	Children Under 16 Years.		at Any	in This
NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number of Betablishments. Sapital Invested (Including Bulldings, Improvements, Mery, Cash)	Average Number Wage Earners	Total Amount of Wages of A Employes,	Avorage Number.	Total Amount of Wages Paid These Men.	Average Number.	Total Amount of Wages Paid These Women.	Average Number.	Total Amount of Wages Pald These Children.	Greatest Number Employed One. Pline During the Test Industry.	Least Number Employed One Time During the Year Industry.
			ESCAMBIA	COUNTY.							
Grand Total	103 \$ 4,849,3		\$ 4.067,841	4,666 \$		341 \$		20 \$	3,552	6,053]	780
Shoe Repairing Tallors and Repairing Bottling Works Grist Mills Manufacturers and Repairers Turpentine Stills Candy Manufacturers Millinery Ghipbuilding and Repairing Box Factory Manufacturers Lens and Repairing General Repair Shops Bakerles Laundries Saw Mills Fertilizer Manufacturers Menufacturers of Gas Manufacturers of Gas Manufacturers Boller and Milk Sterlitzing Harness Maker and Repairer Cooper Shops Marble Works Printing Shops Machine Shops Planlog Mill Auto Repairing	13 13.0 12 10.8 3 67.5 2 1,8 1 4,0 2 4.0 1 2,346.5 1 1,5 1 1,5 1 3,8 3	50	26,344 948 3,200 7,500 1,500 2,200 32,374 19,086 44,800 300,101 7,500 25,000 20,800 2,500 38,700 1,000 15,600 21,100 20,700 40,795	16 11 21 2 3 3 4 3 5 5 4 4 20 108 20 4 5 6 4 5 6 6 6 6 6 6 6 6 6	10,468 600 948 3,200 3,800 3,800 1,500 1,500 1,200 21,974 20,301 7,506 23,000 2,800 2,800 2,705 6,700 1,000 157,800 2,160 21,900 21,900 21,900 22,989 21,900	18 8 8 4 197 2 9 5 60 2 2 2 2	1,068 3,990 800 1,200 77.475 1,200 10,400 1,786 14,700 900 2,000 1,650 800 1,800 5,100 1,808	1 3	1,612 510 280 1,000	34 34 34 44 30 44 47 60 61 15 62 121 121 152 162 172 182 192 193 255 268 30 30 30 30 30 30 30 30 30 30	17 22 32 16 66 22 24 27 560 88 25 30 33 81 90 46 90 16 90
Grand Total	15 \$ 112.0		\$ 284,100	44618	284,100					4301	406
Blacksmith Shop Saw Mills Naval Stores Bottling Works Barrel Factory Light and Ice Plani	1 2.5 4 56.5 7 43.0 1 2.0 1 2.0 1 5.0	186 186 2	1,500 133,000 146,500 1,200 1,200 700	1 251 186 2 4	1.5000				i	255 186 24 4	247 150 24 24 2
			FRANKLIN	COUNTY.							
Grand Total Flaheries and Packing Establishments Blacksmith and Repair Shops Ways Bottling Works Gasoline and Oli Supply Shops Plumber and Repair Shops Auto Repair Shop Bakeries Cabinet Shop Machine Shop Ice Manufacturing Ship Tard Laundry Snw Mills	57 \$ 1,865.0 16 254.9 5 6.4 3 38.0 1 10.0 2 28.0 2 2.3 1 10.0 2 5.0 1 5.0 1 5.0 1 70.0 1 1.0	100 624 624 625	67,200 8,900 9,000 3,600 1,800 1,200 1,200 1,200 6,900 7,500 6,900	1,582 × 523 13 30 10 10 10 6 4 4 4 10 23 25 100						2,128 748 173 47 10 10 10 7 4 4 4 15 28 38 37 21 125	1,016 7\$ 9 0 10 10 4 4 4 4 18 27 2

	50[\$	559,163	486 6	202,531	39518	197,611	88,3	4,150		870	5271	185
Millinery	11	5(6)	3	600].			31	600			3	
Millinery Laundry and Repairs Anto Repairs Walch Repairs Walch Repairing Facking Houses (fruit) Bakery Froducis Novely Works Manufacturer Soft Drinks Water, Light and Ice Plumbing and Repairs Publishing and Fricting Brick Manufacturers Naval Stores	:1	1,0001	10 24	3,500 15,900	24	1,200 15,900	8	22 (30) 51111			10 24	15
Auto Repairs	10	12,500 500	24	1,050	1	500	1	550			21	1
Shoe Repairing	î	500	2	600	_2	600	1				144	62
Packing Houses (fruit)	10	134,000	144	1 200	70 .	1,200	.1.11	******			179	6
Bakery Products	11	5,500 2,000	3	1,200 1,600 3,370	9						31	2
Manufacturer Soft Drinks	1 1	7.0001	6	3,370	3(.	2,500		[31	870	500	24
Water, Light and Ice	5	159,487 2,000	201	23.464 700	#H	700					[2]	1
Plumbing and Repairs	51	33,176	17	14,047	13	13,347	2	700			21 25	12 17 28 60 45
Brick Manufacturers	2	30,000	40	8,5(1)	203 4D	8,500					40	18
Naval Stores	3	20,000 101,000	40 115	12,000 56,000	115	56,000					1151	80
Saw Mills and Shingles Knolln Mining	3	50,000	60	611,000	60	60,000			3		101	45
Known Andreas				LEE CO	51:32°FV							
	28 \$	490,700	148 \$		137 \$	71,783	. 818	2,000	31\$	75	224	93 -
Grand Total	31	34,000	22	11,440		11 440					32]	14
Marine Ways and Machine Sheps	1	1.000	1	10	22 1	10					1	1
Clear Manufacturing	3(1,000 1,700 6,300	13	600	6	600 520	*******		1		81	7
Blacksmilh Repair Shops	3	6,300 1,560	0	520 690	9 1	6001					3	ĺ
Electric Shoe Shop	il	500	ĩ	300	īſ	300			[• • • • • • • • • • • • • •			
Blevele Shops	2	1,500	3	34D 000	3	340				******	10	â
Saw Mill	1]	2,000 1,500	91	400	2	400					3]	1
Grand Total Marine Ways and Machine Sheps Storage Ballery Planl Cigar Mannfacturing Blacksmith Repair Shops Electric Shoc Shop Shoe, Harness and Saddlery Manufacturer Bleycle Shops Snw Mill Tallor Shop Candy and Cream Manufacturer Lumber and and Novelty Works Garages	i	500	2	360	2	360					10	2 5
Lumber and and Novelty Works	1	20,000	18	11,448	18	11 419			3		271	14
Garages	4	287,000	. 36	27,500	23	26,750			3	75	51	30
lee and Eleveric Plants	i	3.0001	36	800	2	26(2111					101	¥
Garages lee and Electric Plants Wagon Works Fibre Company	17	35,000) 25,000	30	980 17.000	2 2 20	15,000	8	2,000	<u> </u>		10(50)	2
Clam Packers	, Li	20,000	30									
					COUNTY.	601.001	131(\$	6,593	170 \$	2.977	1,0391	583
Grand Total	160 8	805,505	1,693 [8		1,216 8					2.011	201	9
Auto Repair Shops	6	18,4(0)	15	10,800	15	10,800 43					-51	5
Blacksmith Repair Shops Bakerles	15	1,735	181	1.985	17	1.945			1	40	21	15
Bakerles	2	3,000	4	1,800	4	1.800					11	ĺ
Broom Factory Broom Factory Bee Keepers Supplies Chero-Cola Plant Candy Factories Collar Factories	11	500) 500)	1	200	- 1	2011					1	1
Bee Keepers Supplies	11	9,000	3	2,6001	ŝ!	2,600	.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,]		51 F1	2 0
Candy Factories	일	725	4	_ 850	4)	625	1	10			3	<u> </u>
Collar Facturles	2	11,950	25	35 1,550	25	1,550					26 j	20
Collar Factories Colton Gins Cane Mills Cross Ties Clgar Manufacturers	46	10.880	813	4.158	3871	0.0211	89	358	341	1,137(.	*******	i9
Cross Tles	91										38	
Clgar Manufacturers	21	4,000	28	22,100	28]	22,300	5	1.1100	2	500	38) 38)	9
	2	4,500	28 12	22,100 5,400 360	28	22,100 2,000 360	5	1,1100	2	500		9 2
Cooper Shops	2	425 425 20,000	813 28 12 12 10]	5,490 360 9,000	10[0,000	5			,	181 151	9 2 6 25
Foundry	2 2 1 23	425 425 20,000 0,320	10] 30]	5,400 360 9,000 4,220	10 30	0,000	5			,	181 2 151 361 301	9 2 6 25 20
Cooper Staps Foundry Grist Mills	2 2 2 23 1	4.500 425 20,000 0,320 40,000	28 12 2 10 30 25 9	5,400 360 9,000 4,220 15,000 3,210	10 30 25 , B	0,000	5			,	131 21 151 361 301 141	9
Cooper Staps Foundry Grist Mills	20 21 23 1 23 1	4,500 425 20,000 0,820 40,600 7,000 165,000	10] 30]	1,400 360 9,000 4,220 15,000 3,200 100,200	10 30 25	4,220 4,220 45,096 2,600 109,200	3	ĞŎŌ			181 2 151 361 301	9 25 25 20 135
Cooper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	23 1 23 1 24 1	4,700 425 20,000 19,320 40,010 7,010 105,000 500	10] 30] 25]	5,400 360 9,000 4,220 15,000 5,210 169,200	10 30 25 , B	4,220 4,220 45,096 2,600 109,200	3	ĞŎŌ			131 21 151 361 301 141	9
Copper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	23 1 23 1 1 1	4.500 425 20,000 13,20 40,010 7,010 105,000 500 125	10 30 25 9 165 1	1,400 360 9,000 4,220 15,000 3,200 100,200	10 80 25 . 6 165 . 1	0,000 4,220 35,090 2,600 109,200 300 100	3	ĠÓŌ			181 261 361 301 141 1951	135 1 1 1 2
Copper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	23 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,500 425 20,000 B,320 40,000 7,010 105,000 125 1,500 201,000	10 20 9 165 1 1 1 2 214	5,490 360 9,000 4,220 15,000 3,230 169,200 1,00 2,000 80,410	10 80 25 . B 165 - 1 214	1,000 4,220 45,000 2,600 109,200 300 100 2,000 80,410	3	ĠÓÔ			131 21 151 361 301 141	9
Cooper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	1 1 1	4.500 20,000 18,320 40,010 7,010 105,000 125 1,500 201,001 75,000	10 30 25 9 165 1	5,490 360 9,000 4,220 15,000 3,200 109,200 100 4,000 80,410 15,000	10 80 25 . 6 165 . 1	9,000 4,220 45,040 2,600 109,200 300 100 2,000 80,410 1,800 1,180	3	ĠŎŌ			181 201 301 141 195 1 21 - 284	135 1 1 1 2 153
Copper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	1 1 1	4,500 425 20,000 19,820 40,000 7,000 105,000 125 1,500 201,000 7,000 2,200	10 20 9 165 1 1 1 2 214	5,490 360 9,000 4,220 15,000 3,210 169,200 100 2,700 80,410 1,780 8,400	10 80 25 . B 165 - 1 214	9,000 4,220 45,040 2,600 109,200 300 100 2,000 80,410 1,800 1,180	3	ĠŎŌ			181 201 301 141 195 1 21 - 284	135 1 1 1 2 153
Cooper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	1 1 1	4,500 425 20,000 19,320 40,010 7,010 105,000 125 1,500 201,000 75,000 2,200 0,500 500	10] 25] 9; 165 1 1 2 214 40	5,490 360 9,000 4,220 15,000 3,210 109,200 100 2,100 80,410 15,000 1,180 8,400 5,000 5,000 1,280	10 80 25 . B 165 1 1 1 214 40	9,000 4,220 45,040 2,600 109,200 300 100 2,000 80,410 1,800 1,180	3	ĠŎŌ			181 151 361 300 141 1951 1 1 2841 50 6	135 1 1 1 2 153
Copper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	1 1 1	4,500 425 20,000 19,820 40,000 7,010 105,000 125 1,500 201,000 75,000 0,200 0,200 1,500 1,	10] 30] 25] 9] 165] 1 1 2 214] 40] 4] 60]	5,490 360 9,000 4,220 15,000 3,210 169,200 1,000 2,000 80,411 15,000 1,180 8,400 500 900 1,000 1,180 1,1	10 30 25 . 6 . 165 . 1 . 1 . 1 . 214 . 40 . 40 . 1	9,000 4,220 45,040 2,600 109,200 300 100 2,000 80,410 1,800 1,180	3	ĠŎŌ			181 151 361 361 301 141 195] 1 2841 50 6	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Super Foundry Grist Mills lce Plant Laundries Launder Companies Monument Company	1 1 1	4,500 425 20,000 19,320 40,010 7,010 105,000 125 1,500 201,000 75,000 2,200 0,500 500	10] 30] 25] 9] 165] 1 1 2 214] 40] 4] 60]	5,490 360 9,000 4,220 15,000 3,210 109,290 300 1,000 4,111 15,000 1,180 8,490 1,900 1,900 1,280 1,	10 30 25 . 6 165 1 1 214 40 40 1 1 2 23 35	1,000 1,220 15,000 2,600 100,200 3,000 2,000 80,410 15,000 5,000 1,180 5,000 7,000 23,500	25 1 8	1,500 200 1,801	25	1,100	181 21 151 361 301 141 195 1 1 284 50 6	135 1 1 1 2 153
Cooper Stops Foundry Grist Mills lce Plant Laundries Launderies Launder Companies Monument Company Mattress Making Metal Works Naval Stores Oil Mill Pressing Clubs Tobacco Packer Paint Shop Photographers Prinling Shops I'laning Mills	1 1 1	4.500 425 20,000 18,820 40,000 7,010 105,000 125 1,500 201,000 75,000 1,500	10 25 9 165 1 1 2 214 40 4 60	5,490 360 9,080 4,220 15,000 3,200 109,200 1,000 2,006 80,411 15,000 1,180 6,490 500 13,800 25,500 13,800 43,800 43,800 43,800 43,800 43,800 43,800 43,800 43,800 43,800 43,800	10 30 25 . 6 . 165 . 1 . 1 . 1 . 214 . 40 . 40 . 1	1,000 4,220 15,000 2,600 100,200 300 1,000 2,000 1,180 5,000 1,180 2,809 5,809 23,500 23,500 45,300	25 1 8	1,500 200 1,801	25	1,100	181 151 361 300 141 1951 11 2841 50 61 	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Steps Foundry Grist Mills lce Plant Laundries Laundries Launber Companies Monument Company Mattress Making Metal Works Naval Stores Oil Mill Pressing Clubs Tobacco Patker Paint Shop Photographers Prinling Shops Planing Mills Saw Mills	1 1 1	4,500 425 20,000 19,320 40,010 7,010 105,000 125 1,500 201,000 7,500 1,500 1,500 1,250 63,000 34,000 17,000 17,000	10] 30] 25] 9] 165] 1 1 2 214] 40] 4] 60]	5,490 360 9,000 4,220 15,000 3,210 109,290 300 1,000 4,111 15,000 1,180 8,490 1,900 1,900 1,280 1,	10 30 25 . 6 165 1 1 214 40 40 1 1 2 23 35	1,000 4,220 15,000 2,600 100,200 300 1,000 2,000 1,180 5,000 1,180 2,809 5,809 23,500 23,500 45,300	25 1 8	1,500 200 1,801	25	1,100	181 151 361 300 141 1951 11 2841 50 61 	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Steps Foundry Grist Mills lce Plant Laundries Laundries Launber Companies Monument Company Mattress Making Metal Works Naval Stores Oil Mill Pressing Clubs Tobacco Patker Paint Shop Photographers Prinling Shops Planing Mills Saw Mills	1 1 1	4.500 425 20,000 19,320 40,010 7,010 105,000 125 1,500 201,000 1,500 1,500 1,250 1,250 63,010 34,000 17,000 2,500 500 35,000 35,000 35,000 35,000 35,000 35,000 35,000	10 30 25 9 165 1 1 2 214 40 4 60 1 35 89	5,490 360 9,000 4,220 15,000 3,200 109,200 109,200 2,000 2,000 80,411 15,000 1,180 8,400 500 18,800 18,800 18,800 1,800 1,5	10 30 25 165 1 1 214 40 40 41 223 355 80 4	1,000 4,220 15,000 2,600 100,200 300 1,000 2,000 15,000 1,180 5,000 23,500 23,500 45,300	25 1 8	1,500 200 1,801	25	1,100	181 151 361 300 141 1951 11 2841 50 61 	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Steps Foundry Grist Mills lce Plant Laundries Laundries Launber Companies Monument Company Mattress Making Metal Works Naval Stores Oil Mill Pressing Clubs Tobacco Patker Paint Shop Photographers Prinling Shops Planing Mills Saw Mills	1 1 1	4,500 425 20,000 19,320 40,000 7,010) 105,000 125 1,500 201,000 73,000 1,250 63,000 34,000 17,000 2,500 50 3,050 50 3,050 1,850	10 30 25 9 165 1 1 214 40 4 60 1 3 80 1 4 80 1 1 3	5,490 360 9,000 4,220 15,000 3,210 109,290 300 1,000 4,111 15,000 1,180 8,490 9,411 15,000 1,180 8,490 1,180 1	10 30 25 6 165 1 1 1 214 40 40 40 1 1 22 35 80 4 1 5	1,000 4,220 15,000 2,600 100,200 300 1,000 2,000 15,000 1,180 5,000 23,500 23,500 45,300	25 1 8	1,500 200 1,801	25	1,100	181 151 361 300 141 1951 11 2841 50 61 	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Stops Foundry Grist Mills lce Plant Laundries Launderies Launder Companies Monument Company Mattress Making Metal Works Naval Stores Oil Mill Pressing Clubs Tobacco Packer Paint Shop Photographers Prinling Shops I'laning Mills	1 1 1	4.500 425 20,000 19,320 40,010 7,010 105,000 125 1,500 201,000 1,500 1,500 1,250 1,250 63,010 34,000 17,000 2,500 500 35,000 35,000 35,000 35,000 35,000 35,000 35,000	10 30 25 9 165 1 1 2 214 40 4 60 1 35 89	5,490 360 9,000 4,220 15,000 3,210 109,200 2,000 2,100 4,111 15,000 1,180 8,400 1,180 9,00 25,500 18,800 45,200 1,800	10 30 25 6 165 1 1 2 214 40 4 40 1 223 35 80 4 4 1 5 1 1 20 1 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1	1,000 4,220 15,000 2,600 100,200 300 1,000 2,000 15,000 1,180 5,000 23,500 23,500 45,300	25 1 8	1,500 200 1,801	25	1,100	181 151 361 300 141 1951 11 2841 50 61 	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Sups Foundry Grist Mills lce Plant Laundries Launderies Launber Companies Monument Company Mattress Making Metal Works Naval Stores Oil Mill Presslog Clubs Tobacco Packer Paint Shop Photographers Prinling Shops Planing Mills Saw Mills	1012 4 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	4,500 425 20,000 19,320 40,000 7,010 105,000 125 1,500 201,000 7,000 1,200 03,000 1,250 63,000 2,500 2,500 2,500 3,500 3,050 3,050 1,350 3,000	10] 30] 25] 9] 165] 1 1 2 214] 40] 4 80] 1 3 3 89] 4 4 1 1 1 2 1 4 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5,490 360 9,000 4,220 15,000 3,210 109,290 300 1,100 1,180 8,400 1,180 9,00 25,50 13,800 45,200 1,800 1,500 1,180 1,	10 30 25 . 6 . 165 . 1 . 1 . 1 . 2 . 40 . 40 . 40 . 40 . 40 . 40 . 40 . 40	1,000 4,220 17,000 2,600 100,200 3,000 1,000 2,000 1,100 15,000 1,180 3,800 700 23,500 1,800 45,300 1,800 1,575 1,290 1,575 1,290 1,1000	25 1 8	1,560 206 1,800	25	1,100	181 281 361 301 141 195 1 1 284 50 50 55 119 4 1 1 6	135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Copper Stops Foundry Grist Mills lce Plant Laundries Launderies Launderies Launderies Launderies Launderies Launderies Launderies Monument Company Mattress Making Metal Works Naval Stores Oil Milli Fressing Clubs Tobacco Packer Paint Shop Photographers Prinling Shops I'laning Mills Saw Mills Shoe Repairing Uphoisiering Wagon Factories Wood Yards Water, Gas and Electricity	120111111111111111111111111111111111111	4,500 425 20,000 19,320 40,000 7,010 105,000 125 1,500 201,000 75,000 1,250 63,000 2,200 17,000 2,500 2,500 2,500 2,500 2,500 3,050 1,850 230,000	10] 30] 25] 9, 168 1 1 2 214 40 4 60] 1 3 3 39 4 1 1, 1, 2 1, 2 1, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	5.490 360 9.080 4.220 15.000 3.200 109.200 2.006 80,411 15,000 1,180 6.490 500 25,500 13,800 1,800 1,500	10 30 25 6 165 1 1 2 214 40 4 40 1 223 35 80 4 4 1 5 1 1 20 1 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1	1,000 1,200 1,000 1,000 1,000 1,000 1,000 1,180 1,180 1,180 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800	25 1 6	1,500 200 1,801	25	1,100	181 151 361 300 141 1951 11 2841 50 61 	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Stops Foundry Grist Mills lce Plant Laundries Laundries Launder Companies Monument Company Mattress Making Metal Works Naval Stores Oil Mill Pressing Clubs Tobacco Packer Paint Shop Photographers Prinling Shops I'laning Mills Saw Mills Shoe Repairing Uphoislering Wagon Factories Wood Yards Water, Gas and Electricity Grand Total	1 2 1 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1	4,500 425 20,000 19,320 40,010 7,010 105,000 125 1,500 201,000 1,500 1,250 1,250 1,250 1,250 1,250 1,250 2,500 1,500 2,500 2,500 1,850 230,000	10] 30] 25] 9] 165] 1] 22 214 40 40 35] 89] 41 11 20'	5,490 360 9,000 4,220 15,000 3,200 109,200 300 109,200 300 1,100 80,410 1,180 9,400 25,500 18,800 1,800	10 30 25 , 6 165 11 214 40 40 41 22 35 80 4 4 1 5 11 20 21 21 21 21 21 21 21 21 21 21 21 21 21	1,000 1,220 1,000 2,600 100 200 1,000 2,000 1,000 2,000 1,180 3,8009 500 700 23,500 45,300 1,575 1,280 1,100 1,575 1,280 1,100 1,575 1,280 1,100 1,575 1,280	25	1,500 200 1,801	25 1 1 103 8	1,100 . 200 10,700 9,700	181 281 151 361 301 141 195 1 1 284 50 6 50 55 119 4 1 1 6 1 1 1 284 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cooper Stops Foundry Grist Mills lce Plant Laundries Laundries Launderes Launderes Launderes Launderes Launderes Launderes Launderes Launderes Monument Company Mattress Making Metal Works Naval Stores Oil Milli Pressing Clubs Tobacco Packer Paint Shop Photographers Prinling Shops I'laning Mills Saw Mills Shoe Repairing Uphotslering Wagon Factories Wood Yards Water, Gas and Electricity	120111111111111111111111111111111111111	4,500 425 20,000 19,320 40,000 7,010 105,000 125 1,500 201,000 75,000 1,250 63,000 2,200 17,000 2,500 2,500 2,500 2,500 2,500 3,050 1,850 230,000	10] 30] 25] 9, 168 1 1 2 214 40 4 60] 1 3 3 39 4 1 1, 1, 2 1, 2 1, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	5.490 360 9.080 4.220 15.000 3.200 109.200 2.006 80,411 15,000 1,180 6.490 500 25,500 13,800 1,800 1,500	10 30 25 . 6 . 165 . 1 . 1 . 1 . 2 . 40 . 40 . 40 . 40 . 40 . 40 . 40 . 40	1,000 1,220 1,000 2,600 100 200 1,000 2,000 1,000 2,000 1,180 3,8009 500 700 23,500 45,300 1,575 1,280 1,100 1,575 1,280 1,100 1,575 1,280 1,100 1,575 1,280	25	1,500 200 1,801	25	1,100 . 200 10,700 9,700	181 151 361 361 141 195] 1 2841 500 61 1131 1131	135 135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

		Lands,	ruers.	- ·	Men 16 X	eare and	Women 16 Ov		Children 16 X	Tinder (at Any In This	t Any
NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number of Extublishments.	Cuptel Invested (Including Lands) Muchiners, Capt.	Average Number Wage Ear	Four August of Wages of J. Employes.	Avérage Number,	Total Amount of Wages Unid These Men.	Аустико Матвет,	Total Amount of Wages Pald Tacse Women.	Average Number.	Potal Amount of Wages Pald These Cutteren.	Greatest Number Employed a One That During the Year Endesity.	Least Number Employed at Che Tha Paring the Year in Industry,
				HOLMES	COUNTY.							
Grand Total			4301		436[\$						531	374
Auto Repair Shops Blacksmith Shops Grisi Mills Naval Stores Saw Mills	2 5 7 4 3	5,500 2,100 18,009 18,800 510,208	* 10 37 37	2,100 3,150 3,976 16,500 105,803	16 37 372	3,976 10,500				7	13 26 55 420	4 5 14 13 358
				JACKSON	COUNTY.							
Grand Fotal	4818		2501		236[8	79,615		\$ 9,3001	******	ŝ	2811	136
Griet Mills Rice Mills Cooper Shop Repair Shops Feed Crashers Shingle Mills	10) 2 11 3) 3)	149,000 400 150 800 2,850 1,325	13 2 1 9: 9: 8:	5,365 120 150 , 750 1,000 1,700	13, 21, 3, 9, 8	150 750 1 000		* * * * * * * * * * * * * * * * * * * *			5 6 9 102	2 1 0 9 5
Noval Stores Saw Mills Cotten Gins Blacksmith Shops	3 3 11 6 4 5	259,500) 15,000 34,000 825	160 27 21 6	41(800) 15,800 6,080 1,750	146 27 21 6	1,200	14				190 33 21 5	81 16 14 5
			J	EFFERSON	COUNTY.							
tirand Total	31618	326,590 20,500	986	8 115,997 11,700	666 3 20	98.793 9,100		\$			9117	1,09T
Blacksmith Shops Cotton Gins fee Factory Planing Mills Syrup Works Saw Mills Shingle Mills Turpenting Stills	16 3 1 247 20 4	29,000 12,000 11,000 18,660 121,600 16,300 83,000	24(13) 4] 11(582) 214(35) 122)	2,400 2,500 3,500 2,797 50,100 9,900 29,800	12 4 11 322 173 20 77	2,200 2,500 3,500 2,043 47,500 6,000			210 41 d:	754 2,600 754 2,600 3,000 7,300	13 10 582 184 23 90	24 13 4 10 532 262 51 170
Grist Milis	16	14,500	31	3,390	181	2,450			451 183	. 850	81	
	A-011-0	1 100 00=1	1	AFALETTE \$ 827,147		43.377 7.18					4 0=0	
Orand Total Automobile Repair Shops Blacksmith Shops Cooper Shops Chair Shop Cotton Gins Grist Mills Naval Stores Planing Mill Rice Mill Shingle Mill	48 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9,000 2,025 700 450 14,000 5,150 578,000 10,000 460 1,000	1,279 8 10 8 2 18 10 255 50 2	\$ 827,141 4,704 6,474 1,300 1,200 1,404 820 138,545 62,400 100 3,800	1.179(8 10 6 22 18 18 255 50 2	4,704 6,474 1,360 1,200 1,464 820 138,545 62,400					1,350 10 6 2 18 18 295 55	1,018 10 6 218 18 210 40
Shingle Mills Saw Mills Wagon and Enggy Renairs	9 1	483,400 3,800	8011 51	602,200 4,200	801 5	602,200					924	696 5

20

N B	dattress Manuacturing Company ulcanizing and Repairing Hillinery Stops egetable Canning Factory unamith Stop Tacking House	1 200 3 6,230 3 1,200 1 8,000 1 1,000 1 2,000	1) 7 100 1) 10	5,520 4,400 4,000 900 9,000	1 5 7 15 1 10	5,520 4,400 1,000 900]	85	3,000			100 100 1	1 4 5 90 1 8
2.				MONROE C	OUNTY.							
-	Grand Tolal	10 1,024,012	1,361 \$	909,414	1,094[\$	(11.837)	245(\$	74,956	201\$	2,052	1,795;	1,042
- C	lgar Manufacturers jgar Box Factory ce Factory	6 722,012 1 49,000 1 211,000	1,189 115 40	806,475 49,675 32,814	999 40 38	785,733 3,600 32,054	184 60 1	72,636 1,800 520	15	912 900 240	.1,499 250 46]	903 1 0 5 34
- 0	anning Factory (Turile Soup)	1 30,000 1 12,000	12 12	4,800 15,650	12(4,800 15,65 0					********	******
-				NASSAU (OUNTY,							
-	(irand Total	35 \$ 186,950	172 \$	83,050	18일(8						234	147
Ā	uto Repairs Brick and Tile Manufacturer	2 1,000 1 15,000	10	4,200 4,000	10	4.000					14	10
E	lottling Works	1 1,000	2	1.500 900	21 21						- 3	2
- 0	Slacksmith Shop anning Company	1 10,000	10	4,000	10	4,000					141	. 10
6	Grist Mills	5 1,050 14 80,500	106	1,650 49,200	108	49,200				*****	134	82
7	Navel Stores	9 28,000	441	17.600]	44	15,6600			********		56	- 34
				KALOOSA							2281	115
-	Grand Total	3 130,000	184 \$ 80	25,018	184 \$ 80						. 1001	80
I D	Vaval Stores	8 230)	៦]	1,565	9	1,505					111	40
- 4	nw Mills	10 3.080 750	88	25,880 156	88	1561	,				1,6	. 5
E	Racksmith Shop	2 750 1 600)	.61	3001	11	300					21	1
		to the state of th	2.02018	640,871	916 \$	514,6081	96 8	24,818)	418	1,450	1,3531	620
-	Grand Total	79 \$ 1,880,550	1,016 \$	1.820	2	1,820					2	1
I	Auto Falating	3 41,000	20	14,900 3,784	19	-13,4001	31	1,5001.			301 51	16 6
3 1	Blacksmith Shops Broom Factory	4) 2,500 1 400	2	780	21	7.041	L d	1	1		41 17	200
- (Carriage and Wagon Manufacturers	2 16,500 1 5,500	12	12,075 2,000	121 41	2,000					6	3
- (Candy Factory	1 9,344 3 28,807	45	8,960 56,803	45	56.6031					50	1 34
-	Cigar Manufacturers Electricity, Ice. Gas and Water Plants	6 749,500	100	57,588	100	97,088					113	34 33 36
1	Foundry and Metal Works	3 100,400 43,000 43,000 1	54	36,280 3,200)	54 0	3,200					551 16	9
	Fertilizer Company Garage and Repair Shops	8 34,600	48	41,300 400	48	41.300					67	3 <u>2</u> 1
9	Grist Mili	1 300	1)	000	ij	600	1		1		1	į
	Harrens Supp Insecticide Companies Laundries	2 12,000 2 78,000	5) 45	3,900 13,000	14	3,000	31	8,400			55	25
	Lambia and Coment Works	2] 800]	370	1,450 102,050	310	1,450 88,410		13.638			475	195
	Orange Packing Houses	9 79,679 1 2,000	212	600	1	000					41	1
ì	Orange 13cking 13ges Bleycle and Repairing Printing Sheps	1 2,500 3 33,500	24	1,720 27,229	28	26.854	1	375			31	21
		2 10,000 1 2,500	18	14,000 750	13	14,000					27	' 1
;	Photographer	4[93,500]	109	68.162 4,800	100	68,162					159	79
	Shoe Repairing	3 5,250 1 20,000	1	4,940	4						9	4
		2) · 22,500 3 15,350	10	6.180 4.700	(1)	5,130 4,200			11	400	101 121	7
,	Rettling Works Tailors and Pressing Navai Stores Vuicanizing and Repairs	5 440,723	105	44,500	105	44,500					1241	84
,	Vuicanising and Repairs Weod Supply Company	1 2,500 2,000	3	1,600	2 3	1,600 1,880	1::::::::::::::::::::::::::::::::::::::		<u> </u>		_ 6 †	
	SUPPLIES AND ADDRESS OF THE PROPERTY OF THE PR		OB	ЕЕСНОВИ	E COUNTY,							
	Grand Total	15 \$ 213,440	264 \$	288,960]	264 \$						389	167
2	The state of the s	1 50,000 200	30	18,000	30	18,000 1,200					291 391	25
	Blacksmith Shop	1 2,700	2	1,000)	2	1.000					205	1
1.	Fish Packers	2) 39,000 1 12,000	165 20	115,000	165 20	1.800	11				20	9ñ 20 6
	Figh Packing House Fruit Packing House Ice and Electric Light House	1 53.140	8 30	6,790 185,600	30	8,700					47	5 19
	Saw Mills	3 11,000 2 45,000 1 400	7	8,460 1,260	7	9.440		1			18	1
	We'ron Works and Repairs	11 4001	1	1,400		11504						

		Lands, schla-	rbera.	All	Men 16 Ye	ears and r.	Women 16	Years and	Chil êr e 1()	en Under Years,	t Any	Any Tilis
NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number of Establishments.	Cupital Invested (including Lands, Buildings, Improvements, Machinery, Cash),	Average Number Wage Earn	Total Amount of Wages of A Emplayors.	Average Number.	Total Amaint of Wages Paid These Men.	Average Number.	Total Amount of Wages Paid These Women.	Average Number.	Total Amount of Wages	Greatest Number Employed at One Time During the Year in Industry.	Least Number Employed at One Time During the Year in Industry.
				MADISON	COUNTY.							
Grand Tutal	58}		, 328]		318 \$	104,862	<u> </u>	\$		*	4411	261
Shoe Shops Shingle Mills Saw Mills Naval Stores Grist Mills Blacksmith Shops Cooper Shops	4 14 5 14 6	3,500 41,800 14,000 11,375 770 85	1 23 180 93 23 3 5	100' 14,700 70,400 16,800 1,961 351 550	1 23 180 93 23 3 5						52 250 101 31 2	24 137 72 21 25
				MANATEE	COUNTY.							
Grand Total	46		353[3		350 \$	226,480	3	5001.		\$	504	246
Auto Repair Shops Blacksmith and Repairs Planing Mill Light and Power Plants Saw Mills Naval Storez Rice Mill Hrigation Flant Concrete Manufacturer Sheet Melal Shops and Piumbing Electrical and Rubber Works Graefruit Juice Manufacturer Manufacturer Palmetlo Brushes Ship Building Canning Factory	22 86 11 11 31 11 11 11	13,000 11,500 2,000 141,000 29,050 90,000 3,000 1,000 3,100 500 10,000 3,000 2,000 1,000	8 23 17 74 190 2 11 2 7 2 7	9,100 23,680 19,000 19,000 106,000 1,200 1,500 5,500 600 1,700 2,000 600 300	23 4 17 74 190 2 11 27 21 21 21 21 22 21 22 22 23 4 4 17 22 11 22 23 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	600 1,500 1,500 600	3	500			111 58 61 251 300 31 51 4 251 41 271	18 3 15 46 140 1 8 1 1 1 1 2
•				MARION	COUNTY.							
Grand Total		1,188,150	1,652 \$		1,888 \$	573,589	264!			\$	1,717	1,206
Saw Mills Naval Stores Crates and Basket Factories Grist Mills Cotton Gins Bean and Peanut Hullers Foundry and Machine Shops Blacksmith and Repairs Lime Kiln Companies Garages, Sale and Repairs Lie Plant and Colid Storage Gas Plant Knitting Mill Packing Houses (fruit) Peanut Butter Factory Plambling and Electric Shops Cigar Factories Printing Shops Tailoring and Pressing Shops Laundry Companies Jewelry and Repairing Shop Shop and Repairing Bottling Works Barrel Factory Nash, Door and Lumber Factory Metal Works and Repairing	893 115 3 2 18 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	108,300 191,000 200,000 17,750 39,000 10,800 11,150 135,000 57,000 30,000 45,000 68,600 9,500 8,500 1,375 10,200 5,400 1,625 6,200 15,000 10,000 1,000	144 274 274 205 41 90 200 120 120 121 852 852 67 10 51 15	86,800 80,650 11,180 1,850 56,000 17,680 50,100 7,200 28,000 50,020 1,200 1,200 1,200 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,700 4,800 5,000 6,00	144 274 160 21 35 60 20 120 120 120 121 30 121 91 91 91 91	80,830 82,877 1,150 0,070 1,850 56,000 17,800 17,800 43,740 15,000 6,200 48,920 1,200 0,200	62 49 1	22,000 2,110 2,110 2,000 2,099 800 3,600			168 285 224 224 56 9 62 29 120 14 70 8.15 6 10	101 188 131 14 24 8 48 48 26 80 36 290 4 10

Grand Total	42[\$ 649,350]	273 \$ 18,795	260 8	12,910	12 \$	5,650	1	\$ 235	423,	172
Sarage and Auto Repairing	6 161,350 2 11,000	60 60,100 31 15,200	55 31	58,500 15,200	8				941 511	35 16
stercie spop and Kenaira	2 5.590	3 2,250 3,000	2 3	1,800	i				41	3
Blacksmith Shop and Repairs	3) 8,750)	3 3,000	3	3,000 4,800					6] 13)	3
JERULUE BUG Preside Konne	3 3,500 4 7,000	7 5,900 13 9,360	10	8,225	2				13	.3
ruit Packing House	1 30,000 5 96,000	201 20 0001	19 54	19,200	1	800			451	10 29 24 10 22
ce Manufacturing	3 291,300	55 46,200 50 23,950 12 5,000 26 22,000	30	45,400 23,000					331	24
aval Stores	11 8,000	12 5,000	12 28	5,000					20 41	10
toe Shop and Repairs	3 28,000 7 3,950	26 22,000 11 5.885	28	5.835					221	ŤĚ
•				D1000 1.1			7,7,1,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Grand Total	18 \$ 520,300	520[\$ 282,185]	COUNTY.	279,355	5!\$	2 7 20		· ·	6081	398
gar Manufacturers	2] 8.5001	01 4,380 4) 2,450	515 \$		11				61	•
tling Works	2 5,000 1 500	41 2,450 11 600	4	4,200 2,450					4	7
air Shop	6 20,700	19 15,380	19	15 260					19	11
Manufacturing	11 36,000	11 7,986	11	7,986	4				11!	3
igle Manufacturing	1 1,000	15 10,439 20 16,600	15 20	10,439					20	20 20 60
Hannizeturing petruit Juice Manufacturing ingle Manufacturing mber Manufacturers	3) 295,000)	432 214,760	428	21,160	4	2,600			532	60
and Lights	1 60,600	12 9,500	12	9,550]	<u></u>				12)	1
		PUTNAM	COUNTY.							
Grand Total	230 \$ 1,854,800	1,005 \$ 1,066,380		1.086,880	48 \$	28,000		*	2,420 325!	1,598
uning and Pressing	27 10,800 13 1,850 3 4,200 3 800	261 95,000 15 8,650	261 15	8.6501					27	10
CAICE	3 4,200	. 6 6,500	- 6	5,500]			[[]	2	
d Yards	3 800 10 2,500	1! 3,700 11 9,000	11	9,000					171	
m Laundries	. 2 5,500 .		Îĝ.	5.100	5	2,700			18!	_1
ber Manufacturers ling Works		770 398,500	770	398,500					18! 367; 17	70
Ographers	3 14,500 2 5,000	13 9,500 3 4,190	13	2,9001	1	1.200			5	
ity Works	1 1,500	4 4.000	4	4,000					6	
ele Repair Shops	3 1,500 3 350	3 3,500	3	3,500]					61	
Repair Shore	10 18,100	23 28.800	25	28.8001			1		37	1
no Wave	3 15,500	14 10,200	25 14	10.200			1	1	20 19	1/
Repair Shops Shipping Blocks nesy Establishmenis	6 2,750 1 6,000	11 9,900 10 4,000	11	9,900] - 4					19	
accy Establishmenis	8 9,850	12 9,600		2,000	12	9,690	1		121 201	
Rure Repairs	8 800	8 5,600	8	5,600 .	12			.,	. 10 19 52	
meking	8 4,700 26 1,890	11 7,000 271 13,500	11	7,000	27	13 500			52	
bing and Tip Shoos	, 8 4,700	6 8.200	6	8,200		10,000			Q	
rete Block Manufacturers	21 1,700 10 6,500	5] 3,000	. 5	3.0001			[80	
gie bills	2 8,000	19 16,400 14 8,000	14	8.000					30 16	1
el and Staves Manufacturers	4 18,000	85 13 000	35 222	13,000					44	1 2 16 1
ing Houses	6 38,000 1 40,000	222 70,180 13 10,000 70 84,000	222	70,130					201	16
ets and Tub Manufacturing	1 40,000	70 34,000	70	34,000					80	É
Printing	4 10,000	6 8,000	. 6	8,000 : .		• • • • • • •			10	
sine Shops	3 1,000 6 27,500	5 3,600 33 43,500	. 31	35 80 月月 。。					401	
1 Stores	6 27,500 7 82,000	190 68,000	190	68.000				1	225	1
ow, Frames and Screens Manufacturers	2 600 3 100	3 2,000	3	2,000					5	
net Makers r Makers and Repairs	2 400	3 1,500	3	1,400					51	
r Makers and Repairs	4 58,000	25 21,000	25	21,000					82	1
rical Work	2 3,000	3 4,900	1	4 0001					5	
Milie	4 800	4 1,000	4	1,000	i				4	
Docks Piant	1 250,000 75,000	56 72,000	57	71.000	1	1,000			661	ŧ
tric Light Plant	1 75,000	4 3,000 8 6,000	8	6.000					23	1
Planter Works	3 250,000	19 16,000 12 10,000	18 12	16.0001			1		15	
<u> </u>	4 200,000	12 10,000 BANTA ROSA		10,0001	*********	.,,,,,,,			10)	
Grand Total	54 \$ 1,359,752	1,243 \$ 789,099	1,242 \$	786,498)	1 8	600		[\$	1,721	74
Willia	10 384,100	620 431 5601			i				832	44
	21 3,600	6 4.100	5	8,500	1]	600			7 2	
Panelring Shops	21 000									
ating Shops e Repairing Shops rksmith Shops at Stores	10 384,100 2 3,600 2 900 3 375 9 458,000	6 4,100 2 2,000 3 2,960 245 72,075	620 5 2 3	2,000					31	3

Number of Bathalfshments, Chultal Invested (including Lands, Pry. Unit).	Average Number Wage Earners, Total Amount of Wages of All Employes,	Men 16 Ve Ove	Amount of Wages These Men.	Women 16 Ove		Children 16 Y	Amount of Wages These Children.	atest Bumber Employed at Any Time Buring the Year in This safey.	er Employed at Any gring the Year in This
NAME OF BUSINESS, MANUFACTURE	rage Number Wage Ea	S	Amount of These Men.		Women,	Минфет.	4 4	Smployed the Year	Suployed the Year
Numth Batah Batah Fruidi		1 1	Toint Paid	Average	Total A	Average	Tothl Ame Paid Thes	Greatest N One Time Industry.	keast Number One Time Durloy Industry,
·	OSCEOL	COUNTY.					'		
Grand Total	144 8 133,550		132,350	2]\$	1.5001			15.00	140
Blacksmin Shops	2,000 5,4,50 2,2,00 4,7,00 1,50 1,50 15,15,00 12,12,00 12,12,00 4,00 52,50,50 34,26,65 11,17,50	2 5 2 4 3 1 1 2 4 3 1 2 4 3 1 2 4 3 1 2 4 3 1 4 3 1 4 3 1 4 3 1 4 3 4 3 4 3 4 3	2,000 4,590 2,000 1,500 3,000 15,000 1,200 4,000 56,500	-17				152(2) 51 24 43 15] 52 34 22 34	119 22 23 23 25 26 27 27
· · · · · · · · · · · · · · · · · · ·	PALM BEA	CH COUNTY,							
Grand Total 115[8 467,070]	825 \$ 539,171	792]\$	496.1911	3318	17.8001			1,010]	688
Cleaners and Prossers 13 5.250 Backsmith and Repairers 6 6,400 Shoemakers and Repaires 6 2,700 Auto and Bleyele Repaires 25 57.275 Baat Builders 8 14.200 Snw Mills 7 10,500 Fish Packers 7 10,300 Gas Plant 1 50.000 Upholstery Plant 1 50.000 Ice Cream Manufacturers 2 2,500 Novelly Works 2 115,000 Dressmaking Establishments 5 1,700 Concrete Works 4 4,000 Candries 5 6,225 Bakerles 4 4,000 Cigar Manufacturers 4 4,000 Machine Shops 4 4,620 Sheet Melai Works 3 5,200 Sheet Melai Works 3 5,200	25 10,890 9 9,950 61 60,890 19 21,100 36 26,940 458 21,7500 6 7,200 2 1,800 4 3,500 36 28,300 17 11,600 8 7,200 27 8,750 26 21,900 27 8,750 26 21,900 27 8,750 26 21,900 27 8,750 26 21,900 27 34,200 37 17,641 30 34,200 9 9,800	25 56 56 199 366 476 6 2 10 85 10 85 16 17 30 9	19,890 9,950 8,910 56,990 21,100 28,9411 215,500 1,800 3,500 28,900 6,800 7,200 4,070 20,300 6,000 14,700 17,641 84,200	5 1 7	3,000 2,000 2,000 4,800 3,800 1,600 800			170 171 171 291 291 481 5555 8 3 40 14 12; 21 221 221 23 36 36	24 9 9 49 14 30 389 6 2 4 30 8 8 8 15 19 9
Grand Total		COUNTY.	-						
Blacksralith Shops	2,198 \$ 658,010 12 7,100 10 9,600 551 25,800 11 3,100 6 3,000 15 10,000 61 2,000 15 78,800 15 78,800 15 78,800 20 2,000 21 2,000 21 1,000 60 30,000 60 30,000 60 3,700	12 10 51 348 11 6 95 6 1 195 150 614	25,900] 181,010] 3,100] 3,000 19,000] 2,000] 5,000] 20,000] 20,000] 1,000] 1,000] 1,000]	80 140	10,000 3,000	7 30 jo	120 3,000 500	2,4114 121 127 130 4081 17 91 1801 100 200 7831 1601 21 21 30 100 100	1.500 12 12 10 30 287 9 40 6 11 168 125 623 100 2 2 2 80

		01, 200						1 100
Grand Total	25 \$ 186,215	102 \$ 94,5	28 96 \$			1[\$ 312]	1 141	80
Barrel Factorles	2] 5,700]	4] 4,9	30 4	4,060			91	2
Broom Factoriets Cigar Faclory	1,000	2 3,7	20 2	0.071			4	í
Concrete Works	2 5,650	8 6.9		6 920	4 3,756 . 1 546 .		29	Ê
Garages and Machine Shops	7 35,000	27 31,3		27,578	4 3,756		34	21
Home Cannery Ice Cream Products	1 150	ត	30 5	80			5	5
Ice Cream Products	1 5.000	4 2,1		1,646	1 546.		12	12
Manufacturer Jellics and Preserves	1 45,000	12 12,0	76 12	12,076			11	1
Machine Shop	1) 7,000		1	540			2	2
DAW ALIII	2 17,000	27 22,7		22,725			29	* 15
Shoe Shops	2). 10,015	21 3,1	70! 2]	3,170			2	3
Botiling Works Blacksmith Shop	1 3.000	5 2,6	00 3				0 1	ล จ
THE RESIDENCE OF THE PERSON OF	2 , 900	3 2,9	96 4	3,048	<u> </u>	*********		
		SUWANN	EE COUNTY.	*				
Grand Total	23 \$ 38,275	40112 50 4	1001	100 450	5		135	51
Blacksmilb Shops and Repairs	8 2,125	46u \$ 29,4					19	9
Cotton Gins	2 2,550	360 1.0					15	. 8
Naval Stores	21 3.400	31 1,4					87	14
[31th 4507] (Strict M(417))	4 8.500	16 4,2	50 16	4.250			,20]	§ ,
Saw and Grist Mills	- 4 0.500	- 16 3,7 17 3,7	00 17	3,700			7 - 17	4
Gust Mills Corn Millers	2 2 700 11,500	20 15,0	00 5 100 101 201				22	· 8
The pillings	11 11.0101	201 15,0	101 2111	1,500	to a reason to the same and the	********		
*		TAYLA	DR COUNTY.					
Grand Tolal	38[\$ 1,445,800]	1,660 \$ 232,5	00 1,660 \$	232,500	, \$		1,883	827
Naw Mills	131 1,184,5001	927 145,7	001 027				965	807
Naval Stores	81 48,000	152 12,7	00 15:2	12,700			179	98 373
Carages and Repairs	31 157,000	520] 55,0		55,000			650	12
Electric Plant	3[18,000] 1[30,000]	19 5,6 11 7,8		7,000			22 13	-8
Bottling Works	2 5,000	81 3.0	8	3.000			16	14
Cross Tie Manufacturers	3 1,100	14 1,9	00 14	1,900			16	10
Milling and Repairing	5 2,200	91 1.4	901 91	1.400	<u> </u>		101	- 0
		VOLUS	A COUNTY.			· · · · · · · · · · · · · · · · · · ·		+ -
One d Matal								
Orang Techl	28518 2.811.7401	2 157/8 1 205 1	951 1.94013	1 180 515			2,8041	1,187
Saw Mills	285 \$ 2,811,740	2,157 \$ 1,205,1		1.160.515	185 43,900	62 \$ 700		1,187
Saw Mills	11] 368,400]	902 475.0	00 898	471,500	185 \$ 43,900 4 3,500 .	62 \$ 700	2,804 1,015 172	534
Saw Mills Naval Stores Cross Ties	11 368.400 10 422.500 17 8,045	902 475,0 110 73,0 247 93,4	00 898 00 110 00 247	471,500 73,000 93,400	185 \$ 43,900 4 3,500 .	62 \$ 700	1,015	534
Saw Mills Naval Stores Cross Ties The Repairers	11 368,400 10 422,500 17 8,045 4 2,500	902 475.0 110 73.0 247 93.4 6 2.2	00 898 00 110 00 247 61	471,500 73,000 93,400 2,250	185(\$ 43,900) 4 3,5001.	62 \$ 700	1,015 172 345 6	534 52 75 3
Baw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House	11 368,400 10 422,500 17 8,045 4 2,500 6 1,254,000	902 475.0 110 73.0 247 93.4 6 2,2 140 125,9	00 898 00 110 00 247 50 6 80 135	471,500 73,000 93,400 2,250 120,680	185 \$ 43,900 4 3,500 5 5,200	62 \$ 700	1,015 172 345 61 164	534 52 75 3 116
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ica and Power House Water Power	11 368,400 10 422,500 17 8,945 4 2,500 6 1,254,000 4 220,000	902 475.0 110 73.0 247 93.4 6 2.2 140 125.9 14 16.2	00 898 00 110 00 247 60 6 80 135 80 14	471,500 73,000 93,400 2,250 120,680	185 \$ 43,900 4 3,500 5 5,200	62 \$ 700	1,015 172 345 6 164 124	534 52 75 .3 116 11
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops	11 368,400 10 422,500 17 8,045 4 2,500 6 1,254,000 4 220,000 27 63,250	902 475.0 110 73.0 247 93.4 6 2.2 140 125.9 14 16.2 64 65.5	00 898 120 000 247 60 61 65 60 135 14	471,500 73,000 93,400 2,250 120,680 16,280 63,900	185 \$ 43,900 4 3,500	62 \$ 700	1,015 172 345 61 164 244 1151	534 52 75 3 116 11 40
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops	11 368,400 10 422,500 17 8,945 4 2,500 6 1,254,000 4 220,000	902 475.0 119 73.0 247 93.4 6 22 140 125.6 14 16.2 64 65.5 7 4.5 72 61.3	00 898 00 130 00 247 50 6 80 135 80 14 00 62 00 7 80 61	471,500 73,000 93,400 2,250 120,680 16,280 63,900	185 \$ 43,900 4 3,500	62 \$ 700	1,015 172 345 61 164 124 115 111 120	534 52 75 .3 116 11
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops	11 368,400 10 422,500 17 8,045 4 2,500 6 1,254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 7,000	902 475.0 110 73.0 247 93.4 6 2.2 140 125.8 14 16.2 64 65.5 7 4.5 72 61,3 12 7.8	00 898 00 130 00 247 50 6 80 135 80 14 00 62 00 7 80 61	471,500 78,000 93,400 2,250 120,680 16,280 63,900 4,500 51,800 7,350	185 \$ 43,900 4 3,500	82 \$ 700	1,015 172 345 61 164 124 115 111 120	534 52 75 3 116 11 40 5 29
Baw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Shoe Repair Shops	11 368.400 10 422,600 17 8,045 4 2,500 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115.700 9 7,000 16 9,775	902 475.0 119 73.0 247 93.4 6 125.5 14 16.2 64 65.5 7 4.5 72 73.0 12 73.0	90	471,500 78,000 93,400 2,250 120,080 16,280 63,900 4,500 57,800 7,350 3,050	185 \$ 43,900 4 3,500	62 \$ 700	1,015 172 345 61 164 124 1151 111 120 13	534 52 75 3 116 11 40 5 29 9
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ica and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Shoe Repair Shops Shoe Repair Shops Navality Works	11 368.400 10 422.500 17 8,045 4 2,500 6 1.254.000 4 220.000 27 63.230 5 7,500 9 115.700 9 7,000 16 9,775 7 17,000	902 475.0 119 73.0 247 93.4 6 125.5 14 16.2 64 65.5 7 4.5 72 73.0 12 73.0	90	471,500 78,000 93,400 2,250 120,680 16,280 63,900 4,500 51,800 7,350 3,050 28,050	185 \$ 43,900 4 3,500	82 \$ 700	J,015 JT2 345 6 J64 124 115 111 120 13 19	534 52 75 3 116 11 40 5 29 9
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Bhoe Repair Shops Novelty Works Cleaning and Pressing Shops	11 368.400 10 422.500 17 8,045 4 2,500 6 1.254.000 4 220.000 27 63.230 5 7,500 9 115.700 9 7,000 16 9,775 7 17,000	902 475.0 110 73.0 247 93.4 6 22.2 140 125.3 14 16.2 64 65.5 72 61.3 17 3.0 29 28.6 31 7.9	90	471,500 78,000 93,400 2,250 120,680 18,280 63,900 4,500 57,800 7,350 28,650 6,450	185 \$ 43,900 4 3,500	62 \$ 700	J,01h J72 345 64 241 115 110 120 131 181 53	534 552 755 3 116 11 40 5 29 9 16
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakeries	11 368.400 10 422.600 17 8,045 4 2.500 6 1.254.000 27 63.250 5 7,500 9 115.700 10 7,000 115.700 115.700 12 7,000 24 3,140 12 20,200 4 8,350	902 475.0 110 73.0 247 93.4 6 22 140 125.8 14 65.5 7 61.3 17 7.3 17 29 28.6 31 7.3 24 26 14.8	90	471,500 70,000 93,400 92,250 120,680 16,280 4,500 57,800 7,350 28,650 24,200 10,800	185 \$ 43,900 4 3,500	62)\$ 7001	J,015 JT2 345 6 J64 124 115 111 120 13 19	534 552 755 3 116 11 40 5 29 9 16
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Bhoe Repair Shops Shoe Repair Shops Plumbing and Pressing Shops Plumbing and Repairing Bakeries Wateb Repairing	11 368.400 10 422,600 17 8,045 4 2500 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 7,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,300	902 475.0 110 73.0 247 93.4 6 125.6 14 16.2 64 65.5 72 45.5 72 73.0 17 3.0 29 28.6 31 7.8 24 24.2 26 4.6	90	471,500 73,000 93,400 2,250 120,680 16,280 63,900 4,500 7,350 28,650 28,650 24,200 10,800 4,000	185 \$ 43,900 4 3,500	62 \$ 700	J,01h J72 345 64 241 115 110 120 131 181 53	534 52 75 3 116 11 40 5 29 9 16 11 24 13
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Blocksmith Shops Cleaning and Pressing Shops Plumbing and Repairing Bakeries Watch Repairing Laundries	11 368.400 10 422,500 17 8,045 4 2,500 6 1,254,000 27 63,259 5 7,500 9 115,700 9 17,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,300 8 16,340 8 16,340	902 475.0 110 73.0 247 93.4 6 125.6 140 125.6 14 16.5 7 4.5 72 61.3 12 7.3 17 3.0 29 24 24.2 24 24 24.2 51 7.3	90	471,500 73,000 93,400 2,230 120,680 63,900 4,500 57,800 7,350 3,050 6,450 24,200 10,800 4,000	185 \$ 43,900 4 3,500	82 \$ 700	J,01h JT2 345 6 J64 124 115 110 120 13 18 53 43 37 25	534 52 75 75 73 116 11 40 5 29 9 16 11 24 13 6
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakeries Watch Repair Shops Laundries Bloyde Repair Shops Bloyde Cream Manufacturers	11 368.400 10 422.600 17 8,045 4 2.500 6 1.254.000 27 63.250 5 7,500 9 115.700 9 7,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,300 8 16,340 10 7,400	902 475.0 110 73.0 247 93.4 6 22.2 140 125.3 14 16.2 64 65.5 72 61.3 17 29 28.6 31 7.8 29 24 24.2 6 14.8 6 31 7.3 10 1.8	90	471,500 73,000 93,400 2,250 120,680 63,900 4,500 57,800 7,350 28,650 94,200 10,800 4,000 4,000 4,000	185 \$ 43,900 4 3,500	82 \$ 700	J,01h JT2 345 6 J64 124 115 110 120 13 18 53 43 37 25	534 52 75 3 116 11 40 5 29 9 16 11 24 13
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakertos Watch Repairing Laundries Bicycle Repair Shops Ice Cream Manufacturers Sheet Meial Works	11 368.400 10 422.600 17 8,045 4 25.00 6 1.254.000 27 63.250 5 7,500 9 115.700 10 7,000 115.700 12 20.200 14 3,140 10 7,400 10 7,400 11 3,400 11 3,400 11 4,000	902 475.0 110 73.0 247 93.4 6 22 140 125.8 14 16.2 64 65.5 7 4.5 72 51.3 17 29 28.6 31 78.2 24 24.2 6 14.8 6 14.8 7 14.5 17 29 28.6 18 24.2 18 24.2	90	471,500 73,000 93,400 92,250 120,680 63,900 4,500 5,800 7,350 3,050 94,200 10,800 4,000 1,325 3,469	185 \$ 43,900 4 3,500	82 \$ 700	J,01h JT2 345 6 J64 124 115 110 120 13 18 53 43 37 25	534 52 755 3 116 11 40 5 29 9 16 11 14 13 6 16 16
Baw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Bhoe Repair Shops Bhoe Repair Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertos Watch Repairing Laundries Bleycle Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments	11 368.400 10 422,600 17 8,645 4 2,500 6 1.254,000 27 63,250 5 7,500 9 115.700 9 115.700 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 16,340 10 7,400 5 14,000 11,000 14 8,350 16 4,340 10 7,400 11,000	902 475.0 110 73.0 247 93.4 6 125.3 14 16.2 14 65.5 72 61.3 17 3.0 29 28.6 31 7.3 29 24 24.2 26 14.5 6 1 7.3 10 1 7.3 10 1 7.3 10 1 7.3 10 1 7.3 11 1 1.8 43 1 1.8	90 \$98 110 100 110 1	471,500 73,000 93,400 92,250 120,680 63,900 4,500 7,350 3,050 28,050 6,450 10,800 4,000 1,325 3,469	185 \$ 43,900 4 3,500	82 \$ 700	J,01h J72 345 6 J64 241 1151 120 13 191 53 43 371 25 10 120 13 53 43 57 86 120 130 53	534 52 75 75 73 116 11 40 5 29 9 16 11 24 13 6
Baw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Bhoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakertes Watch Repair Shops Laundries Bleycle Repair Shops Ice Cream Manufacturers Sheet Melai Works Dressmaking Establishments Millinery Shops	11 368.400 10 422,500 17 8,045 4 2500 6 1.254,000 4 220,000 27 63,250 7,500 9 115,700 9 7,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4.300 8 16,340 10 7,400 4 3,400 10 7,400 11 14,000 11 14,000 15 4,430 15 12,600	902 475.0 119 73.0 247 93.4 6 125.6 14 16.2 14 65.5 7 4.5 7 2.6 61.3 12 7.3 12 7.3 12 7.3 12 1.4 24 24.2 24 24.2 24 24.2 24 24.2 24 14.8 40 51 7.3 10 1.3 11 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 44 1.8 45 1.8 46 1.8 47 1.8	90 898 110 100 110 1	471,500 73,000 93,400 2,230 120,680 63,900 4,500 5,800 7,350 3,050 28,050 0,450 10,800 10,800 1,325 3,469 11,800	185 \$ 43,900 4 3,500	82 \$ 700	J,01h J72 345 6 J64 241 1151 120 13 191 53 43 371 25 10 120 13 53 43 57 86 120 130 53	534 52 75 75 73 116 11 40 5 29 9 16 11 24 13 6 10 5 8
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Blacksmith Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertes Watch Repairing Laundries Bleycle Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drying	11 368.400 10 422,600 17 8,645 4 2,500 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 7,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 18,340 10 7,400 5 14,000 115,700 12 20,200 13 3,400 14 3,400 15 4,630 16 3,400 17,400 18 3,400 19 14,000 10 7,400 10 7,400 11 1,000 11 1,000 12 2,200 14 3,400 15 4,630 16 3,400 17 3,600 18 3,400 19 12,600 10 7,400 10 7,400 10 7,400 11 1,000 11 1,000 12 2,000	902 475.0 110 73.0 247 93.4 6 125.3 14 16.2 140 125.3 14 16.5 72 61.3 17 29 28.6 31 7,3 29 24 24.2 26 14.6 51 7.3 10 13.3 11 7.3 10 13.4 21 11.8 43 1.8 43 49.5	90	471,500 73,000 93,400 2,250 120,680 16,280 63,900 4,500 57,800 7,350 28,650 94,200 1,450 24,200 1,305 1,450 4,000 1,325 3,469 11,800	185 \$ 43,900 4 3,500	82 \$ 700	J,01h JT2 845 61 J64 115 110 120 131 191 531 43 57 251 10 322 533 24 58	534 52 75 3 116 40 5 29 9 16 11 24 14 13 6 16 16
Baw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakertes Watch Repairing Laundries Laundries Bicycle Repair Bhops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Menufacturers of Preserves and Jellies	11 368.400 10 422.600 17 8,045 4 25.00 6 1.254.000 27 63.250 5 7,500 9 115.700 9 115.700 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,300 8 16,340 10 7,400 5 14,000 4 3,400 5 14,000 4 3,400 5 14,000 4 3,400 15 4,630 8 12,600 4 22,000 4 22,000 4 3,000 1 2,000 1 15,000 1 15,000	902 475.0 110 73.0 247 93.4 6 22.1 14 6.2 14 65.5 72 61.3 17 29 28.6 31 79 24 26 14.6 51 7.3 10 13.8 10 11.8 43 1.8 43 1.8 43 48 49.5	90	471,500 73,000 93,400 2,250 120,680 18,280 63,900 4,500 51,800 1,800 1,800 1,800 10,700 10,700 10,700 10,700 10,700 10,800 10,700 10,700 10,700 10,800 10,700 1	185 \$ 43,900 4 3,500	82 \$ 700	J,01h JT2 345 45 45 115 120 133 191 531 43 37 125 10 323 531 24 588 30 80	534 52 75 75 75 75 75 116 140 55 9 9 16 11 24 13 16 16 19 55 8
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Bhoc Repair Shops Shoe Repair Shops Blocksmith Shops Blocksmith Shops Blocksmith Shops Blocksmith Shops Block Repair Shops Plumbing and Pressing Shops Plumbing and Repairing Bakertes Wateh Repairing Laundries Bicycle Repair Shops Ice Cream Manufacturers Bheet Melai Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs	11 368.400 10 422,600 17 8,645 4 2500 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 15,700 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,300 8 16,340 10 7,400 5 14,000 15 4,630 8 12,640 4 22,000 4 3,600 4 3,600 4 3,600 4 3,600 4 3,600 4 3,600 4 3,600 4 3,600 4 3,600 4 3,600	902 475.0 110 73.0 247 93.4 6 125.6 14 16.2 14 16.5 7 4.5 7 2.5 12 7.3 12 7.3 12 7.3 12 7.3 11 7.3 29 24 24.2 24 24.2 26 4.5 51 7.3 10 1.3 21 11.6 43 1.6 45 1.7 45	90 \$98 110 100 110 1	471,500 73,000 93,400 2,250 120,680 63,900 4,500 5,800 7,350 28,650 24,200 10,800 4,000 1,325 3,469 11,800 40,500 10,770 3,600 10,770 3,600 10,770 3,600	185 \$ 43,900 4 3,500	62 \$ 700	J,01h JT2 345 64 241 1151 1201 131 131 143 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 641 641 641 641 641 641 641 641 641 64	534 52 75 75 116 11 40 5 28 9 16 11 24 13 6 16 10 16
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakerice Watch Repairing Laundries Laundries Laundries Laundries Bicycle Repair Shops Ice Cream Manufacturers Sheet Metal Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Pager Hanging	11 368.400 10 422,500 17 8,045 4 2500 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 7,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,390 8 16,340 10 7,400 4 3,400 5 14,000 4 3,400 5 14,000 6 15,600 6 16,000 6 1	902 475.0 110 73.0 247 93.4 6 125.9 14 6 6.5 7 4 6.5 7 21 73.0 12 73.0 12 73.0 12 73.0 12 73.0 12 73.0 12 73.0 12 73.0 12 73.0 13 74.8 6 14.8 6 15.1 7 3.0 15.1 16.1 17.1 16.1 17.1 16.1 17.1 16.1 17.1 16.1 17.1 17	90	\$71,500 73,000 93,400 2,250 120,680 120,680 4,500 57,800 7,350 28,050 24,200 10,800 4,000 1,325 3,469 11,800 11,800 10,770 3,600 13,800 10,770 28,550	185 \$ 43,900 4 3,500	82 \$ 700	J,01h JT2 345 45 45 115 120 133 191 531 43 37 125 10 323 531 24 588 30 80	534 52 75 75 75 75 75 116 140 55 9 9 16 11 24 13 16 16 19 55 8
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Blacksmith Shops Blocksmith Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertos Watch Repair Shops Laundries Bicycle Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drying Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors	11 368.400 10 422.600 17 8,045 4 2500 6 1.254.000 4 220.000 27 63.250 5 7,500 9 115.700 9 7,000 16 9,775 7 17,000 24 3,140 12 20.200 4 8,350 6 16,340 10 7,400 5 14,000 11,000 12 2 20.200 11,000	902 475.0 110 73.0 247 93.4 6 125.3 14 16.2 140 125.3 14 16.3 17 45.5 17 29 24 24 24 26 14.8 10 13.3 10 13.3 11 7.3 10 13.3 11 18 4.3 11 18 6.0 11 18 6.0 11 18 6.0 11 18 6.0 12 18 6.0 13 18 6.0 14 18 6.0 15	90	471,500 73,000 93,400 2,250 120,680 63,900 63,900 51,800 7,350 28,650 24,200 10,800 4,000 11,325 3,469 11,800 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,800 1	185 \$ 43,900 4 3,500	82 \$ 700	J,01h JT2 345 64 241 1151 1201 131 131 143 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 431 531 641 641 641 641 641 641 641 641 641 64	534 52 75 75 75 75 75 116 140 55 9 9 16 11 24 13 16 16 19 55 8
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakertos Watch Repairing Laundries Blcycle Repair Shops Block Repair Shops Ice Cream Manufacturers Sheet Melai Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors Grist Mills	11 368.400 10 422,500 17 8,045 4 2500 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 7,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,390 8 16,340 10 7,400 4 3,400 5 14,000 4 3,400 5 14,000 6 15,600 6 16,000 6 1	902 475.0 110 73.0 247 93.4 6 125.7 14 65.5 7 4.5.6 17 4.5.7 12 7.3 12 7.3 12 7.3 12 12 3.6 14 6.6 5.1 17 11.6 4.8 4.9 4.9 5.1 17 11.6 4.9 4.9 5.1 17 11.6 4.9 4.9 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6	90	471,500 73,000 93,400 93,400 2,250 120,680 63,800 4,500 7,350 28,650 6,450 94,200 10,800 10,800 11,800 4,000 13,25 3,469 11,800 10,770 3,800 10,770 3,800 10,770 3,800 19,900 28,500 28,	185 \$ 43,900	82 \$ 700	J,01h JT2 345 64 241 1151 1201 131 131 1431 531 431 531 431 531 251 10 322 533 24 588 300 300 466	534 52 75 75 75 75 75 116 140 55 9 9 16 11 24 13 16 16 19 55 8
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertes Watch Repairing Laundries Bleycle Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drying Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Courtectors	11 368.400 10 422,500 17 8,045 4 2500 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 7,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,390 6 4,390 1 14,000 1 15,600 1	902 475.0 110 73.0 247 93.4 6 125.7 14 65.5 7 4.5.6 17 4.5.7 12 7.3 12 7.3 12 7.3 12 12 3.6 14 6.6 5.1 17 11.6 4.8 4.9 4.9 5.1 17 11.6 4.9 4.9 5.1 17 11.6 4.9 4.9 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6	90	471,500 73,000 93,400 2,250 120,680 63,900 63,900 51,800 7,350 28,650 24,200 10,800 4,000 11,325 3,469 11,800 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,770 3,600 10,800 1	185 \$ 43,900 4 3,500 5 5,200 2 1,800 11 9,500 11 4,000 25 4,850 2 1,000 18 1,850 18 1,850 18 2,350 2 3,350 2 850	82 \$ 700	J,01h JT2 345 61 J64 1151 1201 133 181 531 43 371 251 261 10 322 531 244 120 10 120 13 141 120 13 141 151 161 161 161 161 161 161 16	534 52 75 75 3 116 140 5 29 9 16 11 24 13 8 16 19 5 8
Baw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Noveity Works Cleaning and Pressing Shops Plumbing and Repairing Bakertos Watch Repairing Laundries Hicycle Hepair Bhops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishmenis Millinery Shops Hay Drylog Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors Grist Mills Uphoistering	11 368.400 10 422.600 17 8,045 4 25.00 6 1.254.000 27 63.250 5 7,500 9 115.700 9 115.700 10 7,000 115.700 12 20.200 4 33.400 10 7,400 4 3,400 5 14,000 15 4,30 8 16,340 10 7,400 10 7,400 10 7,400 11 1,000 11 1,000	902 475.0 110 73.0 247 93.4 6 125.9 14 16.2 14 65.5 7 25 61.3 12 73.0 28.6 31 7.8 24 24.2 26 14.8 6 14.8 6 15 7.3 11 1.8 43 15 6.9 17 11.8 43 18 44 49.5 17 11.8 43 18 44 49.5 17 11.8 48 49.5	90	471,500 73,000 93,400 2,250 120,680 4,500 4,500 51,800 28,550 24,200 10,800 1,325 3,469 11,800 40,500 19,000 28,550 19,000 19,000 28,550 40,000 19,000 28,550 40,000 19,000 28,550 40,000 19,000 28,550 40,000 1	185 \$ 43,900 4 3,500 5 5,200 2 1,800 11 9,500 11 4,000 25 4,850 2 1,000 18 1,850 18 1,850 18 2,350 2 3,350 2 850	82 \$ 700	J,01h JT2 345 61 J64 1151 1201 133 181 531 43 371 251 261 10 322 531 244 120 10 120 13 141 120 13 141 151 161 161 161 161 161 161 16	534 522 753 116 111 40 29 9 16 114 13 6 16 16 16 29 24 27 7 7 7 12 27 3
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertes Watch Repairing Laundries Laundries Laundries Bicycle Repair Bhops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors Grist Mills Uphoistering Wiscelleneous Industries	11 368,400 10 422,600 17 8,045 4 2,500 6 1,254,000 27 63,250 5 7,500 9 115,700 9 115,700 10 7,700 11 200 10 1,700 11 8,350 11 8,350 10 1,775 11,000 12 20,200 14 8,350 16 4,300 17 4,000 18 16,340 10 17,400 11 14,000 12 12,000 14 13,400 15 14,000 16 12,000 17 10,000 18 18,350 19 18,350 10 18 18,350 10 18 18,350 10 18 18,350 10 18 18,350 10 18 18,350 10 18 18,350 10 18 18,350 10 18 18 18 18 18 18 18 18 18 18 18 18 18	902 475.0 110 73.0 247 93.4 6 22.2 140 125.3 14 16.2 6 4 65.5 72 61.3 12 7.3 12 7.3 12 28.6 31 7.3 14 18 15 6.3 10 1.3 10 1.3 10 1.3 11 1.8 43 1.8 15 6.5 49 9.5 17 11.1 25 6.3 29 19.0 8 2.6 3 1.7 3 1.8 4	90 \$98 100 110 100 1	471,500 73,000 93,400 2,250 120,680 16,280 63,900 4,500 57,800 7,350 28,650 24,200 10,800 1,325 3,469 11,800 10,770 3,600 19,000 750 3,600 750 400 37,260	185 \$ 43,900 4 3,500 5 5,200 2 1,800 11 9,500 11 4,000 25 4,850 2 1,000 18 1,850 18 2,850 18 3,850 2 400 18 3,850 2 850 18 8,000	82 \$ 700 25	J,01h JT2 345 61 J64 124 115 120 13 188 53 43 37 19 10 32 53 24 58 30 46 11 11 12 10 12 10 10 11 12 10 10 10 10 10 10 10 10 10 10	534 52 75 75 3 116 40 5 29 9 16 11 24 14 13 6 16 16 25 8 24 24 25 27 27 27 27 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertes Watch Repairing Laundries Bicycle Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Courtactors Grist Mills Uphoistering Wiscellenents Industries Grand Tolal	11 368.400 10 422.600 17 8,045 4 2,500 6 1.254.000 27 63.250 5 7,500 9 115.700 9 115.700 16 9,775 7 17,000 24 3,140 12 20.200 4 8,350 6 4,360 8 16,340 10 7,400 5 14,000 15 4,430 8 12,600 4 22,000 4 22,000 4 22,000 4 35,800 6 4,000 15 4,430 8 22,000 4 35,800 6 4,000 15,860 10,000 15,860 10,000 15,860 10,000 10,860 10,000 10,860 10,000 10,860 10,000 10,860 10,000 10,860	902 475.0 110 73.0 247 93.4 6 22.1 40 125.3 14 16.2 64 65.5 72 61.3 17 3.0 29 24 24.2 26 14.5 61 7.3 10 13 18 43 1.6 44 1.6 45 1.6 46 1.6 47 1.6 48 1	90 \$98 100 110 100 110 100 1	471,500 73,000 93,400 2,250 120,680 63,900 63,900 7,350 28,650 6,450 24,200 10,800 10,800 4,000 11,325 3,469 11,800 40,500 28,500 10,770 3,600 10,770 3,70 3,70	185 \$ 43,900 4 3,500	82 × 700	J,01h J72 345 61 J64 115 110 120 131 131 131 131 131 131 131 131 131 13	534 52 75 75 75 75 116 140 5 29 9 16 11 124 13 14 13 16 10 10 11 12 14 15 16 17 17 12 17 18 19 10 10 10 10 10 10 10 10 10 10
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Novelty Works Cleaning and Pressing Shops Plumbing and Repairing Bakertoe Watch Repairing Laundries Laundries Laundries Bicycle Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors Grist Mills Uphoistering Wiscellenenus Industries Grand Tolal Navat Stores	11 368.400 10 422.600 17 8,045 4 25.00 6 1.254.000 27 63.230 5 7,500 9 115.700 10 7,000 115.700 10 7,000 115.700 24 3,140 12 20.200 4 8,350 6 4,300 16 4,300 17 14,000 18 12 20.200 19 115.700 10 115.700 10 115.700 11 11,000 11 11,0	902 475.0 110 73.0 247 93.4 6 22.4 140 125.9 14 16.2 6 4 5.5 72 61.3 12 73.0 12 73.0 12 73.0 12 13 73.0 14 14.8 6 15.8 6 16.8 6 16.8 6 17.8 6 18.8 6	90	471,500 T3,000 T3,000 T3,000 2,250 120,680 120,680 4,500 57,800 28,050 28,050 24,200 10,800 4,000 10,800 4,000 10,800 11,825 3,469 11,800 10,770 3,600 13,900 28,500 28,500 37,280	185 \$ 43,900 4 3,500	82 \$ 700 22 \$ 2,492 18 1,992	J,01h J72 345 6 J64 241 115 120 13 191 531 43 377 251 71 86 122 10 322 533 24 580 800 46 11; 88 34 150	534 52 75 75 75 75 116 140 5 29 9 16 11 124 13 14 13 16 10 10 11 12 14 15 16 17 17 12 17 18 19 10 10 10 10 10 10 10 10 10 10
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Bhoe Repair Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertos Watch Repairing Laundries Bicycle Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drying Bottling Works Menufacturers of Preserves and Jellies Bott Building and Repairs Paper Hanging Cement Contractors Grist Mills Uphoistering Wiscellaneous Industries Grand Total Navat Stores Saw Mills Cooper Shops	11 368,400 10 422,600 17 8,645 4 2,500 6 1,254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 17,700 115,700 12 20,200 4 8,350 6 4,300 8 16,340 10 7,400 4 3,400 5 14,000 115,600 4 3,800 6 4,900 1 15,600 1 15,600	902 475.0 110 73.0 247 93.4 6 22.4 140 125.9 14 16.2 6 4 5.5 72 61.3 12 73.0 12 73.0 12 73.0 12 13 73.0 14 14.8 6 15.8 6 16.8 6 16.8 6 17.8 6 18.8 6	90	471,500 73,000 93,400 92,250 120,680 120,680 63,900 63,900 75,800 7,350 94,200 10,800 10,800 11,325 3,469 11,800 40,770 19,000 2,850 400 37,280	185 \$ 43,900 4 3,500	82 \$ 700 25 \$ 2,492 18 1,892	J,01h J72 345 6 J64 241 115 111 1201 13 191 53 43 377 25 71 86 122 103 244 580 800 46 11; 88 34 150	534 52 75 75 3 116 116 40 5 29 9 16 11 24 14 13 3 3 60 18 18 17 7 7 24 3 3 3 60
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertes Watch Repairing Laundries Bicycle Repair Bhops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drylog Bottling Works Menufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors Grist Mills Upholistering Wiscellaneous Industries Grand Total Naval Stores Saw Mills Cooper Shops Blackmith Shops Blackmith Shops Blackmith Shops Blackmith Shops Blackmith Shops Blackmith Shops Blackmith Shops Blackmith Shops Blackmith Shops	11 368.400 10 422,600 17 8,045 4 25,000 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 17,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,360 10 7,400 5 14,000 11 1,000 12 20,000 14 8,350 16 9,775 17,000 18 9,775 17,000 18 9,775 17,000 18 9,775 17,000 18 9,775 18 14,000 19 14,000 10 14,000 10 15 4,630 10 16,000 11 15,650 11 1,000 11 1,00	902 475.0 110 73.0 247 93.4 6 22.2 140 125.8 14 16.2 64 65.5 72 61.3 17 28.6 31 7.8 24 24.2 26 14.8 6 4.0 51 7.3 10 1.3 10 1.3 11 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 43 1.8 44 45 5.5 29 19.0 36 35.0 37 4.4 48 49 4.8 49 4.8 51 7.3 56 3.5 57 1.5 88 7.5 88 7.5	90	471,500 73,000 73,400 2,250 120,680 16,280 63,900 4,500 57,800 28,650 24,200 10,800 4,000 3,000 1,325 3,469 11,800 40,770 2,850 2,850 2,850 37,286	185 \$ 43,900 4 3,500	87 700 25 25 2,492 18 1,992 4 500	J,01h JT2 345 66 J64 241 115 120 13 131 131 120 133 43 37 25 12 10 32 32 34 58 30 30 46 11 88 31 45 150 355 36 46 17 86 37 47 86 37 48 58 30 30 46 17 46 18 46 17 46 18 46 17 46 18 46 17 46 46 18 46 46 18 46 46 46 46 46 46 46 46 46 46 46 46 46	534 52 73 116 111 40 29 9 9 16 17 14 14 13 6 16 16 17 24 33 60 18A 124 33 60
Saw Mills Naval Stores Cross Ties Thre Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shope Printing Shops Blacksmith Shops Blacksmith Shops Blocksmith Shops Cleaning and Pressing Shops Plumbing and Repairing Bakertos Watch Repair Shops Ice Cream Manufacturers Sheet Melal Works Dressmaking Establishments Millinery Shops Hay Drying Bottling Works Manufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors Grist Mills Uphoistering Wiscelleneous Industries Grand Tolal Navat Stores Saw Mills Cooper Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops	11 368.400 10 422.600 17 8,045 4 2.500 6 1.254.000 27 63.250 5 7,500 9 115.700 9 115.700 16 9,775 7 17,000 24 3,140 12 20.200 4 8,350 6 4,360 8 16,340 10 7,400 5 14,000 15 4,430 8 12,600 4 22,000 4 16,000 4 22,000 4 16,000 4 35,800 6 4,000 15 4,440 3 10,000 15,860 10,000 15,860 10,000 24 14,400 3 1,000 1,000 1,	902 475.0 110 73.0 247 93.4 6 22.1 40 125.3 14 16.2 64 65.5 72 61.3 17 29. 28.6 31 7.3 29. 24.2 26 14.5 6 14.5 6 14.5 6 14.5 6 15.1 11.2 29 12.1 11.2 29 12.1 11.2 38.7 WAKUI 284 \$ 76.1 176 54.2 18.3 29 19.0 8 2.6 8 36.0 8 36.	90 \$98 100 110 100 110 100 1	471,500 73,000 93,400 93,400 92,250 120,680 120,680 63,900 63,900 7,350 98,650 94,200 10,600 10,600 4,000 11,325 3,469 11,800 40,500 28,500 37,280 37,280 37,280 37,280 38,840 40,800 37,280	185 \$ 43,900	87 700 28 \$ 2,492 18 1,992 4 500	J,01h JT2 345 64 241 115 120 133 143 531 43 531 43 531 125 10 32 53 24 58 80 80 80 80 80 80 80 80 80 8	534 52 75 3 116 116 140 529 9 16 111 124 133 300 185 124 39 40 124 39 40 124 39 40 40 40 40 40 40 40 40 40 40
Saw Mills Naval Stores Cross Ties Tire Repairers Light, Ice and Power House Water Power Auto Repair Shops Auto Painting Shops Printing Shops Blacksmith Shops Blacksmith Shops Shoe Repair Shops Cleaning and Pressing Shops Plumbing and Repairing Bakeries Watch Repairing Laundries Watch Repair Bhops Ice Cream Manufacturers Sheet Melal Works Dreasmaking Establishments Millinery Shops Hay Drylog Bottling Works Menufacturers of Preserves and Jellies Boat Building and Repairs Paper Hanging Cement Contractors Grist Mills Uphoistering Wiscellaneous Industries Grand Total Naval Stores Saw Mills Cooper Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops Blacksmith Shops	11 368.400 10 422,600 17 8,045 4 25,000 6 1.254,000 4 220,000 27 63,250 5 7,500 9 115,700 9 17,000 16 9,775 7 17,000 24 3,140 12 20,200 4 8,350 6 4,360 10 7,400 5 14,000 11 1,000 12 20,000 14 8,350 16 9,775 17,000 18 9,775 17,000 18 9,775 17,000 18 9,775 17,000 18 9,775 18 14,000 19 14,000 10 14,000 10 15 4,630 10 16,000 11 15,650 11 1,000 11 1,00	902 475.0 110 73.0 247 93.4 6 22.2 140 125.8 14 16.2 64 65.5 72 61.3 12 73.1 12 73.1 13 24.2 6 14.8 6 14.8 10 13.3 11 16.2 14 4.0 15 17.3 16 4.0 17 4.1 18 4.0 17 4.1 18 4.0 19 2.0 10 1.3 11 1.8 12 1.8 13 4.9 17 11 1.8 18 4.0 19 2.0 10 1.3 11 2.0 11 3.0 12 4.0 13 7.0 14 4.0 15 7.0 16 7.0 17 7.0 18 7.0 19 7.0 10 7.0 11 7.0 11 7.0 12 7.0 13 7.0 14 7.0 15 7.0 16 7.0 17 7.0 18 7.0 19 7.0 10 7.0 10 7.0 10 7.0 11 7.0 12 7.0 13 7.0 14 7.0 15 7.0 16 7.0 17 7.0 18 7.0 18 7.0 19 7.0 10	90	471,500 T3,000 T3,000 T3,000 2,250 120,680 120,680 4,500 57,800 28,050 24,200 10,800 4,000 10,800 4,000 10,770 3,600 11,325 3,469 40,000 13,250 28,500 28,500 37,280 37,280 37,280 38,600 37,280 38,600 37,280 38,600 37,280 38,600 37,280 38,600 37,280 38,600 37,280	185 \$ 43,900 4 3,500	82 \$ 700 25	J,01h JT2 345 66 J64 241 115 120 13 131 131 120 133 43 37 25 12 10 32 32 34 58 30 30 46 11 88 31 45 150 355 36 46 17 86 37 47 86 37 48 58 30 30 46 17 46 18 46 17 46 18 46 17 46 18 46 17 46 46 18 46 46 18 46 46 46 46 46 46 46 46 46 46 46 46 46	534 52 73 116 40 29 9 16 11 14 14 14 14 13 6 16 16 17 29 17 21 21 22 12 12 12 13 14 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18

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	NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number of Estabilshments.	Capital Invested (including I Bulldings, Improvements, M ery, Cash).	Average Number Wage Esta	Total Amount of Wages of A. Employes.	Average Number.	Total Amount of Wages Paid These Men.	Average Number.	Total Amount of Wages Paid These Women,	Avorage Number,	Total Amount of Wages. Paid These Children.	Greatest Number Employed at One Time During the Year in Industry.	Least Number Employed at One Time During the Year in Industry.
	Jewelry and Repairing Shipbuilding Electricity and Sewerage Rettling Works Shingle Mills Grist Mills Cane Mills Cotton Gin Feed Mill	2 4 1 1 4 1 2 1 1 1 1 1 1 1 1	1,500 441,000 40,000 4,000 18,500 600 1,477 1,500 6,000	295 4 2 20 20 36 2	3,000 207,600 - 2,200 - 1,500 - 4,300 - 1,600 - 1,683 - 1,500 - 3,000	295 4 2 20 20 38 2	3,000 207,800 200 1,500 4,300 1,600 1,583 1,500 3,000 4,500				7 1 1 4 4 4 4 1 L	485 6 2 26 21 14	101 2 2 2 14 9
		-	0,0001	5:	EMINOLE	COUNTY,	answers,			*********		01	
	Grand Total	11 \$	287,7501	142 \$	65.476	1411\$	65,2161	1 8	260	\$		217	101
3	Cigar Manuacturing Cottoh Gin Lumber Manufacturers Naval Stores Novelty Works Manufacture of Extract (Medicinal) Shingle Mili	1 2 4 1 1 1 1	5,000 3,000 8,000 265,006 3,500 250 3,000	6 4 20 93 2 2 15	6,240 48 12,000 87,570 2,400 468 6,750	6 4 20 93 2 1	12,000 . 37,570 . 2,400 . 208	1	260			111 4 37 128 31 22 32	5 4 15 72 1 1
				Si	r. JOHNE	COUNTY.							,
	Grand Total Ricycle Repair Shops	85 \$	885,835)	577 \$	482,507	5061\$	453,475	68 \$	26,736	3 \$	1,436	663	542
	Bottling Works Bakerles Blacksmith Shops Boat Builders and Repairers Barrol Factories Cigar Manufacturers Cabinet Manufacturers Contractors and Builders Coopering Cross Tie Contractor Dressmaking Auto Garages and Repaires Furniture Makers and Repairers Grist Milis Harness Makers and Repairers Hat Cleaner and Repairers Hat Cleaner and Repairers Lighting Plants Lighting Plants and Power House Laundries Milliery Shops Novelty Mill Planning Mill Shoe Makers and Repairers Sonp Manufacturer Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Manufacturers Sonp Sonp Manufacturers Sonp Sonp Manufacturers Sonp Sonp Manufacturers Sonp Sonp Manufacturers Sonp Sonp Manufacturers Sonp Sonp Manufacturers Sonp M	5244 4 221-21 21 21 21 50 22 21 21 21 4 21 21 21 21 21 21 21 21 21 21 21 21 21	11,000 14,500 17,250 1,700 2,000 58,000 58,000 51,000 1,500 17,000 450 3,800 5,130 6,250 0,50 400 1,550 3,800 1,550 327,000 7,000 7,000 4,000 4,000 3,100 1,500 3,000 1,550 327,000 7,000 7,000 1,550 327,000 7,000 1,550 327,000 3,	89 9 7 4 4 4 5 5 1 4 6 1 5 5 5 4 4 4 4 5 5 5 5 4 4 4 4 5 5 5 5	8.394 9.390 10.090 7.530 8.180 23.226 47.670 3.750 5.720 41.380 5.720 41.085 1.040 2.080 41.085 41.085 41.085 41.085 41.085 41.088 41.088 41.088 41.088 41.088 41.088 41.089 41.0	687 4055 41 4055 424 11 23 5511 4 43 37 12 7 14 11	28,228 44,770 3,750 5,720 11,360 5,744 23,184 23,184 3,850 2,080 4,108 4	1	2,000 1,250 240 1,300 11,232 786 8,364 468	2	926	99 120 430 54 54 30 52 54 17 44 38 13 20 22 54 17 44 38 17 20 22 54 17 44 44 46 46 46 46 46 46 46 46 46 46 46	8699743364444 6347422443371442 41215433714424 144243371433714424

	whee W	Hie				1	1	56,025	56.023								
Т	In Nho	DE				. ,		5,830	7,900								*********
E	lombins	z and Repu	air Shopl					7,600	0.600								
	tercle a	and Renair	Shone 1					$\frac{7,100}{22,800}$	47.850							**********	
3	(Illinery	Shops			. ,			58,500									
E	akeries	Ob.				* * * * * * * * * * * * * * * * * * * *		7,100									
	hos Mh	on and Re	10 T T T T T T T T T T T T T T T T T T T					5,800	8.325								
								8,000	9,000								********
Ê	rinting	Plants .						68,500	83,200			*********		*******			************
ī	aundrie	8						8,350 1,000	1 500	,		*********					
G	unami ti	h:)			*********		6,800	10.980								
I	urnitur	e Repair	Steb					75,000	100,000					********			
ç	abinet	Morket		***********	*********			15,000	30,500								
î	plean	ing and E	Repairing					20,000	36,000	********							*********
1	Sgon l	Mfg and B	Repairs .]	<u> </u>	<u>, , , , , , , , , , , , , , , , , , , </u>			10,000	18,000	*********							*********
									BAKER	COUNTY.							
				1									,				
	Gran	nd Total			\$,,,,,,,,		\$	\$ 114.10 (\$		
2.	A STATE	11-	1	1	1			69,00			******	*********	0000000			1,650	
7	iawa) h	POTOS								193,000	140,500	16,750	201,000		* * * * * * * * * * * * * * * * * * * *	1,650	16,500
								900	8.050							1,000	10,000
- 9	ocper	Shopa			*****		**********	17,10	13,700								
î	M. dio:	Illb Chan						10,00	01 18.700	1							
5	hingle	Milla						2,00	6 4.000								
- 1	arages						(9,000	0 11,500						· · · · · · · · · · · ·		*********
7	allers	*******]					1,00	1,000								
3	fillhery	y Shops .				******		3,000 1.00									
- 12	laning.	Mills		*********			4	1,00		-				,	,		
							*			COUNTY.							
•	Gra	nd Total			\$,		\$	\$ 1,246,22	3 3 1.500.750	412,300	\$ 94,320				, ,		
1	Jack Una	Warks						6,90	0 10,000								
								8,60									
	Bakery							5,60 4,30									***********
3	Bost R	epairing						2,60	6 5,650								
	TOOMORE.	go Shops		*****				13,37	5 12,025								
	Cannerli	pr citops						1,50	0 2,300								
22	Dry Kil	lna						80,00									
								24,20 16,20									
	Contrac	Plonia						2,85	0) 2.800	1			1	1			1
	Grist A	Alls						-,60	800								*********
	reed Mac	ctories						6.40	0 9,000								
	Ton French	to the later						1,40	0 2,200								*********
	Laundry	7						2,60	0 3,300					*********			
	Machine	Bhops .						10,20 $3,80$	0 5 200								1
	Marine	Ways				1		9,40	0 11.150								1
	Magaite	Works .			1	1		3,06	0 4,100	1						.)	}
	Neval 8	Stores							1	412,300	94,320	15,520	106,560				
								n 100	4,200	(
								74,80 70	00 11,200								
	trice Cl	edler		********	********		F	24.65	0 32.800)							
	auugië Shin Ri	allding			1	1		100,00									
	Snw M	Шіз ,						867.55	0 -1,020,100			*******					*********
	Repair	Shops				*******		14,50 1,50	24,554	1							
	Tailor	Shops			1			1.20	1.50	1							
	Tinner			1	1		,,	1.0.								-	
									BRADFOR	D COUNTY.							
	Gr	and Total		40.000	\$ 20,000		18	\$ 260,13	301\$ 399,46	185,790	\$ 73,196				\$		
	27	Decema		1	1		T		12,47	185,790	73,190		1	1	1.		
	Coopera	Lge						9,21	12,47	1		1					
	Shingle	Mills						1.58	AAI AAR AA	n	1		2				
	Baw M	Destant				1		4	50 50	0							*********
	Close 1	Rectory .		40,000	20,000	1	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
	Shoe E	Renalt						2,60	00 3,40	0							4 * * * * * * * * * * * * * * * * * * *
	Blacksn	nith Shop						1 28.29									
	Plow F	Pactory						13,60	001 3,60 001 10.80	0							
	Garages					1	1	5,63	101 10.69							elec carrens.	
	Grist 1	Milis					1	0	25 1.30	0	1						.]
	Dice M	9111m						1 3	00 45	01					.	11	
	Bean I	Hupliers						1 1	50 20	0							
	Cross 7	Tie Migs .						48,9	00 50.00	0							
	Loggin	R Same		40,000				1 50.0	(H/) 00,00	01	******		.,	.,	-1		.,

				, Kachla-	rbern.	II V	Men 16 1	Tears and er.		Years and	Children 16 Y	Under	at Any in This	nt Any in This
NAME OF RUSINESS, OR PROD	MANUFAC UCT.	TURE	Number of Betablishments.	Capital Invested (including Building, Improvements, berry, Cash).	Averige Number Wage Ea	Total Amount of Wages of Employes.	Averige Number,	Paid These Men. Paid These Men.	Average Number.	Total Amount of Wages. Fald These Women.	Average Number	Total Amount of Wages Patd These Children.	Greatest Number Employed One Time Duriog the Year Industry.	Least Number Employed at One Time During the Year in Industry.
						WALTON	COUNTY.							
Grand Total				1,524,722	1,481	640,565	1,480)	640,485	1 1	100			1,553	1,409
Naval Stores Riackamith Repair Shops Saw Mills		• • • • • • • • • • •	14 15 9	9,050 546,200 1,768 967,704	18 687 11 765	8,780 262,058 8,174	18 687 10	3,730 262,058 3,074		100			18 722	18 652 11 728
Saw_Mills			14]	987,704		371,803	765	371,603	· · · · · · · · · · · · · · · · · · ·				802	. 728
			0514		_		N COUNTY.							
Naval Stores	-		3711	885,500	375	87,930 87,935	1,108 3 375 17	87.9551	4 1	475 .			1,167	989 205
Blacksmith Shopa Grist Mills			5	2,275 1,950	9	87,955 5,950 1,425	8	5,950 1,400	· · · · · · · i	25			410 12 11	9 9
Brick Mannfacturing Rottling Works			11	110,250 600 2,500	657	306,200 4,000 2,000	666	305,900 4,000		300			860 87	642
Packing Plant Ginning and Milling Saw and Grist Mili			1	100,000	85	40,000	35	40,000					4 [50]	8 3 18
Saw and Grist Mili			i i	7,500 700	4	400	2	2,000 250	2	150			8	
			TABLE N	70. 3 (SE	COND HALF	-MANUF	ACTURES—	BY COUNT	HES (Cont	inned).		,		
	то	BACCO MA	NUFACTORI	E8.	Cost of Ma	terial and Products.		NAVAL 8	STORES.	.	G	INNER1ES	AND PRODU	CTS.
		Character	of Product.		Thorn ask		Turpe	ntlue.	. Ros	Jn.	2.5		호를	
					not be used ing Manufactor bacco or Na	ctured To-					of Upland This Gin		Sea lear This	
NAME OF BUSINESS, . MANUFACTURE OR			1 2								15 to 15 to		200	
PRODUCT OR	ź		Cigarei tes.		of Production Material Used udiag Mill or Supplies and	Custom							f Bales on Glone Tear.	
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	Number	atue	Number	Value.	Cost of and Miles of Fuelly.	목종등소	Salfons	Value.	Barrela	valne.	Number Cotton This Ye	Value.	Number lend Co	Value.
·		>	4			2284 1		-	_ m		ZOF	>	Z=0	<u> </u>
firm a minut		- ,				ALACHUA								
Cotton Gins					\$ 888,300 \$	1,327,600	203,000		8,489 1	38,869	904 4	89,400	9,165	2,711,450 2,711,450
Ice Manufacturing		• • • • • • • • • • • • • • • • • • • •			17,825 16,950	25,200 38,950								************
Gas Plant Paint and Repair Shop					15,000 2,000	100,000 25,000		:::::::::::::::::::::::::::::::::::::::						
Cotton Gins Blacksmith Rep Shops Ice Mannfacturing Iron Foundry Gaa Plant Paint and Repair Shop Saw Mills Garages and Repair Shops Navai Stores Tallor and Repair Shop					50,000 15,000 2,000 282,600 121,000	5,000 392,000 198,500								
Naval Stores						200,000	203,000	122,400	8,489	38 849				
THUNG THE TENED TO THE PROPERTY OF THE PARTY					6,000	11,000				20,000				*********

COLUMBIA COUNTY,

BULL BUILD BOOKS									27,850	¥ 44,425	120	\$ 16,700	2,510 \$	280,0
ioe Shops					1,040	2,420	* * * * * * * * * * * * * * * * * * * *							
ival Stores				1,,,,,,,,,,		9,100	75 500	9 900	97 050	44 405			2,510	
tton Gins			1				10,000	091900	21,850	44,425	190	10 500	0.810	000.0
w Milis]			3,600	4,800	* * * * * * * * * * *				120	10,100	2,010	280,0
ist Mills						200	********							
ood Mills					6,000	200								*******
scellaneous					800	5.000								
uning Manufactur	rer				1,130			* * * * * * * * * * *						
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,1100				********	********				******
							COUNTY,					~ ~	•	
Grand Total	301	,000 \$ 10,000	<u>) </u>	(#	\$	\$		\$		\$		\$		
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chine Shops				*****			* * 1 * 1 * 4 * 4 * 4			*********				******
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dging and lust: Manufacturing					* * * * * * * * * * * * * * * * * * * *		* * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *		*******				
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Grand Total	720	,000 \$ 21,60		1\$	\$ 1,063,075	* 3,941,020	16,000	\$ 47,750	6,025	\$ 178,600		. \$	- 200	\$ 50.
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tric Plants eries t Milis on Gins ation Plants Plants					29,800 63,000 36,000 1,275	298,000 573,000 98,000 1 7,800							260	50
eries eries ges t Milis on Gins ation Plants Plants ellry Repairs					29,800 83,000 86,000 1,275 28,000 1,700	298,000 573,000 93,000 1 7,800							260	56
eries eries ges t Milis on Gins ation Plants Plants ellry Repairs					29,800 83,000 86,000 1,275 28,000 1,700	298,000 573,000 93,000 1,800 1,800 10,000							260	50
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eries ges : Milis ges : Milis gen ation Planis Planta - liry Repairs ler Factories - dries					29,800 63,000 36,000 1,275 28,000 1,700 400 4,700	94,500 1573,000 93,000 1 7,800 10,000 1,950 25,550 5,200							250	50
eries ges : Milis ges : Milis gen ation Planis Planta - liry Repairs ler Factories - dries					29,800 63,000 36,000 1,275 28,000 1,700 400 4,700	94,500 1573,000 93,000 1 7,800 10,000 1,950 25,550 5,200							250	5(
ric Fibrits ges Mills on Gins ation Plants Fibrits ler Factories dries					29,800 63,000 36,000 1,275 28,000 1,700 400 4,700	94,500 573,000 93,000 1,800 10,000 1,950 5,200 1,300 6,000	10,000	47,750	6,025	178,699			260	56
ric Flants ges ges Mills on Gins ation Plants Flants iry Repairs er Factories diries deries deries lerg diries lig Clubs bling lug Mills					29,800 63,000 36,000 1,275 28,000 1,700 4,000 1,000 1,400 1,400 1,400	298,000 573,000 93,000 1,800 10,000 1,950 25,550 5,200 1,300 6,600 6,600	10,00	47,750	6,025	178,690			286	56
ric Plants pries ges Mills yn Gins ation Plants Planta iry Repairs er Pactories duries uery il Stores sing Ciubs ibing ing Mils ing Houses					29,800 83,000 36,000 1,273 28,000 1,700 4,700 1,000 1,400 1,400 1,400 1,5000 386,500	94,500 573,000 93,000 7,800 1,000 1,050 25,550 5,200 1,300 6,500 1,63,570	10,000	47,750	6,025	178,699			286	56
ric Flants rries ges Mills m Gins ation Plants Flants iry Repairs er Factories dries					29,800 63,000 36,000 1,273 28,000 1,700 4,700 1,000 4,700 1,000 386,500 35,700	94,500 573,000 93,000 1,800 1,800 10,000 1,950 5,200 1,300 6,600 6,600 1,633,570 68,700	16,606	47,750	6,025	178,699			260	56
ric Flants ges ges on Gins ation Piants Flants iry Repairs ler Factories ddries nery il Stores sing Clubs bling lug Mills ing Houses ting Works ksmith and Re-	pairs				29,800 63,000 36,000 1,273 28,000 1,700 4,700 1,000 4,700 1,000 386,500 35,700	94,500 573,000 93,000 7,800 1,000 1,050 25,550 5,200 1,300 6,500 1,633,570 66,700	16,000	47,750	6,025	178,699			286	56
ric Flants eries ges t Mills on Glus aflou Plants Flyanta fry Repairs ler Factories dries nery il Stores sing Clubs abing lug Mills ding Houses ting Works ksmith and Reperding	palrs				29,800 63,000 36,000 1,273 28,000 1,700 400 4,700 1,000 1,500 35,700 21,700 65,000	94,500 573,000 93,000 7,800 1,000 1,050 25,550 5,200 1,300 6,500 1,633,570 66,700	16,000	47,750	6,025	178,699			286	56
ric Flants rries ges Mills on Gins ation Plants Flants iry Repairs er Pactories diries diries ing Clubs bling lug Mills ing Houses ksmith and Repering wills	palrs				29,800 63,000 36,000 1,275 28,000 1,700 4,000 1,400 1,400 1,400 35,500 21,700 65,000 30,800	94,500 573,000 93,000 7,800 1,000 1,050 25,550 5,200 1,300 6,500 1,633,570 66,700	16,000	47,750	6,025	178,699			286	56
ric Flants rries ges Milis m Gins ation Plants Flants iry Repairs ler Factories dries pairs				29,800 63,000 36,000 1,275 28,000 1,700 4,000 1,400 1,400 1,400 356,500 21,700 65,000 30,800 80,800 6,700	94,500 573,000 93,000 7,800 1,000 1,050 25,550 5,200 1,300 6,500 1,633,570 66,700	16,000	47,750	6,025	178,699			286	56	
ric Flants pries ges Mills on Gins ation Plants Flants lry Repairs der Pactories duries duries ler Factories duries ler Graces sing Clubs bling ling Mills ing Houses ting Works ksmith and Rej ering Mills s Ties anizing Drilling	pairs				29,800 83,000 36,000 1,273 28,000 1,700 4,700 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 21,700 65,000 87,000 1,700	298,000 573,000 93,000 1,800 1,800 1,000 1,050 5,200 6,600 6,600 1,633,570 68,790 164,000 275,900 396,100 29,700 5,050	16,000	47,750	6,025	178,696			260	56
ges ges ation Plants Flants ation Plants Flants fry Repairs ter Factories dries pairs				29,800 63,000 36,000 1,273 28,000 1,700 4900 4,700 1,000 35,700 356,500 35,700 35,000 35,700 6,700 1,400 1,400	84,500 573,000 93,000 1,800 1,800 1,000 1,050 5,200 6,600 66,500 1,633,570 64,000 20,700 306,100 20,700 5,030 43,000 3	16,000	47,750	6,025	178,690			280	56	
ric Flants ges ges Milis in Gins ation Plants Flants iry Repairs dries d	palrs				29,800 63,000 36,000 1,275 28,000 1,700 400 4,700 1,400 15,000 35,700 21,700 65,000 6,700 1,500 1,500 1,500 1,500 1,500 1,500	1,300 1,300 1,300 1,000 1,950 1,950 1,950 1,300 1,650 1,633,570 1,633,570 1,64,000 275,900 296,100 297,700 3,000 43,900 43,900 1,00	10,000	47,750	6,025	178,699			286	56
ric Flants ges ges on Glus ation Plants Flants iry Repairs ler Factories didries uery il Stores sing Clubs abing ing Mills ing Houses ting Works kamith and Repering Mills Ties anizing Drilling Mills Mills	palrs				29,800 63,000 36,000 1,275 28,000 1,700 400 4,700 1,400 15,000 35,700 21,700 65,000 6,700 1,500 1,500 1,500 1,500 1,500 1,500	140,000 298,000 93,000 1,890 10,000 1,950 25,500 6,600 1,633,570 68,790 164,000 275,900 296,100 2975,000 306,100 3075,000 43,900 43,900	10,000	47,750	6,025	178,699			286	56
ric Flants ges ges on Glus ation Plants Flants iry Repairs ler Factories didries uery il Stores sing Clubs abing ing Mills ing Houses ting Works kamith and Repering Mills Ties anizing Drilling Mills Mills	palrs				29,800 63,000 36,000 1,275 28,000 1,700 400 4,700 1,400 15,000 35,700 21,700 65,000 6,700 1,500 1,500 1,500 1,500 1,500 1,500	298,000 573,000 93,000 1,800 1,800 1,950 25,350 6,500 1,633,570 68,790 164,000 20,700 396,100 20,700 43,900 1,630 1,000	10,000	47,750	6,025	178,699			280	56
ric Flants ges ges Milis sn Gins ation Plants Flants iry Repairs ler Factories dries	pairs				29,800 63,000 36,000 1,275 28,000 1,700 4,000 1,000 1,000 1,50,000 35,700 21,700 65,000 1,400 1,500 1,500 1,500 21,700 6,700 1,100 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500	1,300 1,300 1,300 1,930 1,930 1,930 1,930 1,930 1,930 1,930 1,630 1,	16,000	47,750	6,025	178,699			286	56
ges ges ges ges ges ges ges ges ges ges	pairs	0,600 \$ 692,79			29,800 63,000 36,000 1,275 28,000 1,700 4,000 1,000 1,000 356,500 35,700 65,000 6,700 11,500 21,700 65,000 11,500 25,700 65,000 11,500 25,700 65,000 11,500 11,500 25,700 11,500 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700 11,500 25,700	298,000 298,000 573,000 93,000 1,800 1,950 25,350 6,500 6,600 6,600 1,633,570 6,700 20,700 306,100 20,700 43,000 1,600 1,600 1,600 1,600	16,008	47,750	6,025	178,690 \$ 59,570			280	56
icric Pibrits peries ages to Mills con Glus gation Plants Plants Plants elry Repairs der Pactories ndries ndries al Stores sing Clubs mbing filing Houses atlag Works resmith and Repering bills ss Ties sanising i Drilling i Mills up Manufacturis Grand Total composite Repairs	pairs	0,600 \$ 692,79	7		29,800 83,000 36,000 1,273 28,000 1,700 4,700 4,700 1,400 1,400 1,400 35,700 21,700 65,000 30,800 6,700 1,400 11,500 21,500 30,800 6,700 11,500 300,800 6,700 11,500	140,000 298,000 573,000 93,000 7,890 10,000 1,950 25,550 6,700 164,000 275,000 396,100 20,700 43,000 1,900 1	16,000 COUNTY.	47,750	6,025	178,699			250	56
cric Fibrits series ages sit Mills ton Glus gation Plants Flauta elry Repairs der Factories ndries linery al Stores ssing Clubs mbing ning Mills king Houses ating Works cksmith and Rer certing Mills ss Tiea canising Dilling Mills d Mills d Mills omobile Repairs Viel Repairs	pairs	0,600 \$ 692,79	7		29,800 63,000 36,000 1,275 28,000 1,700 4,700 1,000 4,700 1,000 386,500 35,700 21,700 65,000 1,500 21,700 6,700 1,500 300,800 6,700 1,500	1,300 1,300 1,300 1,930 1,930 1,930 1,930 1,930 1,930 1,630 1,	16,000 COUNTY.	47,750	6,025	178,699			250	50
ceries ages ages st Mills ton Glns gation Plants Flants elry Repairs ider Factories indries indries sing Clubs mbing ning Mills king Houses atling Works cksmith and Rej cering y Mills se Ties canizing ii Drilling e Mills up Mannfacturis Orand Total comobile Repairs yrle Repairs series corres	palrs),606 \$ 692,79	7		29,800 63,000 36,000 1,275 28,000 1,700 4,700 1,000 4,700 1,000 386,500 35,700 21,700 65,000 1,500 21,700 6,700 1,500 300,800 6,700 1,500	1,300 1,300 1,300 1,930 1,930 1,930 1,930 1,930 1,930 1,630 1,	10,000 COUNTY.	47,750 47,750	6,025	178,696			266	50
ceries ages ages ages st Milis ton Glus gation Plants Flants elry Repairs der l'actories indries pairs),600 \$ 692,79	7		29,800 63,000 36,000 1,275 28,000 1,700 4,700 1,000 4,700 1,000 386,500 35,700 21,700 65,000 1,500 21,700 6,700 1,500 300,800 6,700 1,500	298,000 298,000 573,000 93,000 7,890 1,890 1,950 1,950 1,950 1,633,570 68,790 164,000 275,900 20,706 1,906 1,906 1,906 1,906 1,006 1	10,008	47,750 47,750	6,025	178,699 \$ 50,570		***	286	50	
ctric Fients heries fages fages fages for Glus gation Plants Flants relry Repairs der Factorles indries tilnery fal Stores fasing Clubs mobing fing Houses fating Houses fating Works forksmith and Rep forering for Mills for Mil	pairs	0,600 \$ 692,79	7		29,800 63,000 38,000 1,273 28,000 1,700 400 4,700 1,000 386,500 21,700 65,000 300,800 6,700 1,50	1,300 1,300 1,300 1,000 1,950 1,	10,008	47,750	6,025 5,807	\$ 59,570			266	56,
crice Fibrits species ages st Milis ton Glus gation Plants Flants elry Repairs der Factories inery al Stores ssing Clubs mbing ning Milis king Houses ating Works cksmith and Reg certing builts d Milis d Mil	pairs	0,600 \$ 692,79	7		29,800 63,000 36,000 1,273 28,000 1,700 400 4,700 1,000 386,500 21,700 65,000 300,800 6,700 1,50	298,000 298,000 573,000 93,000 1,800 10,000 1,950 25,550 6,700 16,509 163,570 66,790 275,900 396,100 20,700 1,906 1,906 1,906 1,906 1,906 1,906 1,906 1,006	16,000	47,750 47,750	5,807	\$ 59.570		***	286	

							COUNTY.							
1	Grand Total]		*	\$ 2,396,576	\$ 2,588,8771		8	1	T.		· ·		
46	Shoe Repairing				24,2501									
	Tallors and Repairing Bottling Works Grist Mills Migrs & Reps Turpt'n Still Candy Manufacturers Milliners				24,250 6,000	82,200		1						
•	Color Wills				80,000	94,000			1					
	Mirro & Dong Turner Call				350	1,382								
	Candy Manufacturers		* * - * * * * * * * * * *		4,500	5,000								*********
	Millinery	(**********		-	17,500	29,000	*********						*********	********
	Allinery Shipbidg and Repairing Box Factory Migra Lens and Repug General Repair Bhops Rekerles Laundries Baw Mills Fertilizer Manuacturers Manufacturers of Gas	}			6,500) 555,000{	271 0001		* * * * * * * * * * *	4					
	Box Factory				2.000	4.000							*********	
	Migra Lens and Repng				2,000 3,200	4,800								
	General Repair Shops	£			49,034	76,740				*********				
	Rekerles			-]	95,000	106,000								
	Som Allto				34,500									*********
	Fortillyer Manuschurges		***		492,541	389.0641			1	1			1	
	Manufacturers of Gas				14,843	13,624		1 - 1						,,,,,,,,,,
	More Donza Sech & Blinds				0= 0=0	100 154						********		
	Cabinet Shop Piumhing & Electrical Wka				2,0001	4.500			********					********
	Plumbing & Electrical Wks				70,000	120.750					* * * * * * * * * * *			********
					8.000	11.000								
	Harness blakers & Rep'rs Cooper Shops				8,000 3,000	7.000			1			1		********
	Cooper Shops				219,600	259,0001			1	1				
	MATUIE WOCEB				5,000	6.000			1				1	
	Printing Shops	[* * * * * * * * * * * * * * * * * *			48,200	60,600			1					
	Planing Mill	{:::::::::::::::::::::::::::::::::::::	***		240,200	294,200					,			
	Machine Shops Planing Mili Auto Repairing				100,000 97,400	100,000		*********				*********	,	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.;,,,,,,,,,,	01,200	124,200	********		4		*****	* * * * * * * * * * * *	*********	*********
						FLAGLER	COUNTY.		•					
	Grand Watel	1 14			14 44									
	Grand Total	*		· 8	\$ 165,100				4,550	\$ 27,300		\$		\$
	Blacksmith Shop				2,300	3,900	********							
	Saw Mills Naval Stores					189,600	********						~	
	Rottling Works	{**********{*****					82,000	41,000	4,550	[-27,300]			[
	Bottling Works Barrel Factory Light and Ice Plant		*** *******		$\begin{bmatrix} 2,450 \\ 2,350 \end{bmatrix}$	5,400				4				
	Light and Ice Plant			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6,000									
					1,000	0,100	********	********					*********	
ين						FRANKLIN	COUNTY.							
çı.	Grand Total	14	+											
	GLANG AULE			. 15	14 0-05 EUV			IS DATE ONE	1 45 000					
	TN-b 0 The state of the sta	1			(p p 20.000)	£ 1,399,400	200,310	* 0.010,020	15,080	\$ 196,040		\$		\$
	Elsharing & Post's Poteb					379,9001			1	i i			1	1
	Fisheries & Pack's Estah Blacksmith & Ren Shap				175,000	379,900 22,900	*********							
	Fisheries & Pack's Estah Blacksmith & Rep Shop . Ways				175,000 10.830	379,900 22,900 19,600	,,							********
	Fisheries & Pack's Estah Blacksmith & Rep Shop . Ways				175,000 10.830	379,900 22,900 19,600 9,000		**********						*******
	Fisherics & Pack's Estah Blacksmith & Ren Shop Ways Pottling Works Casoline & Oil Sup Shops Finnher & Ren Shop		***		175,000 10,830 13,700 3,900 30,000	379,900 22,900 12,600 9,000		***********			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**********		* * * * * * * * * * * * * * * * * * *
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oll Sup Shops Plumber & Rep Shop Auto Remair Shop		* * * * * * * * * * * * * * * * * * * *		175,000 10,830 13,700 3,900 30,000 5,000	379,900 22,900 19,600 9,900 36,900		* * * * * * * * * * * * * * * * * * *				**********		* * * * * * * * * * * * * * * * * * *
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oll Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries				175,000 10,830 13,700 3,900 30,000 5,900 12,907	379,900 22,900 19,600 9,900 36,900		* * * * * * * * * * * * * * * * * * *				**********		* * * * * * * * * * * * * * * * * * *
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oll Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cabinet Shop				175,000 10,830 13,700 3,900 5,900 12,900 5,000	379,300 22,900 19,600 9,000 36,000 15,000 17,000 13,000								
	Fisherics & Pack'g Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cabinet Shop Mayedine Shops Mayedine Shops				175,000 10,850 13,760 3,900 30,000 5,900 12,900 8,000 8,000	379,300 22,900 19,600 9,000 36,000 15,000 17,000 13,000								
	Fisherics & Pack'g Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cabinet Shop Mayedine Shops Mayedine Shops				175,000 10,850 13,760 3,900 30,000 5,900 12,900 8,000 8,000	379,900 22,900 19,600 0,900 15,000 17,000 12,000 12,000 30,000								
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Piumber & Rep Shop Auto Repair Shop Bakeries Cabinet Shop Mayedine Shops Ice Manufacturing Ship Yard				175,000 10,830 13,700 2,800 30,000 5,000 12,800 7,000 8,000 9,140 21,000 8,000	379,900 22,900 18,600 9,100 83,100 15,000 17,000 12,000 12,000 30,000								
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Maychine Shops Ice Manufacturing Ship Yard Laundry Saw Mills				175,006 10,830 13,700 3,900 5,900 12,800 7,000 8,000 21,000 8,000 8,000	379,900 22,900 19,600 9,100 15,000 17,000 12,000 12,000 12,000 6,000							9	
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Maychine Shops Ice Manufacturing Ship Yard Laundry Saw Mills				175,006 10,830 13,700 3,900 5,900 12,800 7,000 8,000 21,000 8,000 8,000	379,900 22,900 19,600 5,100 15,000 17,000 12,000 12,000 12,000 6,000							9	
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Maychine Shops Ice Manufacturing Ship Yard Laundry Saw Mills				175,006 10,830 13,700 3,900 5,900 12,800 7,000 8,000 21,000 8,000 8,000	379,900 22,900 19,600 9,400 30,400 15,000 17,000 12,000 12,000 12,000 6,000 125,000	269,315	9,076,025	15,080	198,040				
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oil Sup Shops Flumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavedine Shop Ice Manufacturing Ship Yard Laundry				175,006 10,830 13,700 3,900 5,900 12,800 7,000 8,000 21,000 8,000 8,000	379,900 22,900 19,600 9,400 30,400 15,000 17,000 12,000 12,000 12,000 6,000 125,000	269,315	9,076,025	15,080	198,040				
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Maychine Shops Ice Manufacturing Ship Yard Laundry Saw Mills				175,006 10,830 13,700 3,900 5,900 12,800 7,000 8,000 21,000 8,000 8,000	379,900 22,900 18,600 9,400 36,400 17,000 17,000 12,000 12,000 12,000 12,000 125,000	269,315	9,076,025	15,080	198,040			9	
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavedine Shops Ice Manufacturing Ship Yard Lauddry Saw Mills Naval Stores Shingie and Lumber Mill Planing Mill				175,000 10,530 13,700 3,900 30,990 5,900 12,600 8,000 8,000 3,000 75,000 542,000 4,000	379,900 22,900 19,600 9,400 38,400 15,000 17,000 12,000 39,090 12,000 6,000 125,000 682,000 8,000	269,315	9,076,025	15,080	198,040			•	
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Maychine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Plantag Mill Grand Total	\$		15	175,000 10,830 13,700 30,900 5,000 12,800 5,000 8,000 9,000 21,900 3,000 75,000 542,000 4,000	379,900 22,900 19,600 9,1400 30,1109 15,000 17,000 12,000 12,000 6,000 125,000 8,000 682,000 8,000	269,315 COUNTX, 20,500	9.076,025	15,080	196,040		15		\$
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cabinet Shop Maychinet Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingle and Lumber Mill Planiag Mill Garages			5	175,000 10,830 13,700 30,900 5,000 12,800 5,000 8,000 9,000 21,000 8,000 75,000 4,000 4,000	379,900 22,000 19,500 9,400 36,400 17,000 12,000 12,000 12,000 12,000 6,000 125,000 8,000 682,000 682,000 8,000	269,315 COUNTY, 20,500	9.076,025	15,080	198,040		\$		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planing Mill Grand Total Garages Saw Mills			15	175,000 10,830 13,700 3,900 30,000 5,000 12,900 5,000 21,000 8,000 75,000 4,000 4,000 18,000 18,000 18,000 18,000 18,000 18,000	379,900 22,000 19,500 9,400 36,400 17,000 12,000 12,000 12,000 12,000 6,000 125,000 8,000 682,000 682,000 8,000	269,315 COUNTY, 20,500	9.076,025	15,080	198,040		\$		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mayedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planing Mul Granges Saw Mills Fullers Earth Co Griet Mills	*		3.	175,000 10,830 13,700 3,900 5,000 12,900 5,000 8,000 21,000 8,000 75,000 4,000 4,000 18,000 1	379,900 22,900 19,500 9,1000 33,1100 15,000 12,000 12,000 6,000 125,000 682,000 682,000 GADSDEM \$ 200,400 125,400	269,315 FCOUNTY, 20,500	9,076,025	15,080	198,040		\$		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mayedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planing Mul Granges Saw Mills Fullers Earth Co Griet Mills	*		3.	175,000 10,830 13,700 3,900 5,000 12,900 5,000 8,000 21,000 8,000 75,000 4,000 4,000 18,000 1	379,900 22,000 19,500 9,400 36,400 17,000 12,000 12,000 12,000 12,000 6,000 125,000 8,000 682,000 8,000 125,400 125,400 125,400	269,315 7 COUNTX 20,500	9,076,025	15,080	196,040		18		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Flumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Bavedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingie and Lumber Mill Planing Mill Grand Total Garages Saw Mills Fullers Earth Co Grist Mills Ice Factory			5	175,000 10,500 13,700 30,000 5,000 12,600 6,000 8,000 3,000 75,000 542,000 4,000 100,000 100,000 8,425 100,000	379,900 22,900 19,600 9,400 30,400 15,000 17,000 12,000 12,000 6,000 125,000 6,000 125,000 6,000 125,000 125,000 125,000 125,000 125,000 125,000 125,000	269,315 COUNTY, 20,500	9.076,025	15,080	198,040]\$		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planian Mul Granges Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Shavills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores	\$; 5.	175,000 10,530 13,700 3,900 30,900 5,900 12,800 5,000 21,900 21,900 3,000 75,000 542,000 4,900 20,500 100,000 8,425 12,670 3,800	379,900 22,900 19,600 9,400 30,400 15,000 17,000 12,000 12,000 6,000 125,000 6,000 125,000 6,000 125,000 125,000 125,000 125,000 125,000 125,000 125,000	269,315 COUNTY, 20,500	9.076,025	15,080	198,040]\$		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mayedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planing Mul Granges Saw Mills Fullers Earth Co Griet Mills	\$; 5.	175,000 10,830 13,700 30,000 5,000 12,600 5,000 8,000 21,000 8,000 75,000 542,000 4,000 18,000 10,000 100,000 100,000 12,670 3,300	379,900 22,900 19,600 9,400 30,400 15,000 17,000 12,000 12,000 6,000 125,000 6,000 125,000 6,000 125,000 125,000 125,000 125,000 125,000 125,000 125,000	269,315 COUNTY, 20,500	9.076,025	15,080	198,040]\$		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planian Mul Granges Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Shavills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores	\$; 5.	175,000 10,530 13,700 3,900 30,900 5,900 12,800 5,000 21,900 21,900 3,000 75,000 542,000 4,900 20,500 100,000 8,425 12,670 3,800	379,900 22,900 19,500 9,400 36,400 17,000 12,000 12,000 12,000 12,000 125,000 8,000 125,000 8,000 125,000 125,000 125,000 125,000 125,000 125,000 125,000	269,315 7 COUNTX, 20,500	9.076,025	15,080	198,040]\$		\$
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavehine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planing Mill Grand Total Garages Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Brick Yards Brick Yards	\$		15	175,000 10,830 13,700 30,000 5,000 12,600 5,000 8,000 21,000 8,000 75,000 4,000 4,000 100,000 8,425 12,670 3,800 22,500 20,500	379,900 22,900 19,600 9,400 36,400 15,000 17,000 12,000 12,000 12,000 12,000 6,000 125,000 682,000 682,000 125,400 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500	269,315 J COUNTY, 20,500 20,500	9,076,025	1,250	9,300		\$		\$
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Mavculne Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingie and Lumber Mill Planing Mill Grand Total Garages Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Brick Yards Grand Total Grand Total	\$		15	175,000 10,830 13,700 30,000 5,000 12,600 5,000 8,000 21,000 8,000 75,000 4,000 4,000 100,000 8,425 12,670 3,800 22,500 20,500	379,900 22,900 19,600 9,400 30,400 17,000 17,000 12,000 12,000 12,000 12,000 6,000 125,000 682,000 8,000 125,400 12,5400 12,5400 12,5400 12,400 12,400 12,400 12,400 12,400 12,400 12,400 12,400 13,400 18,500	269,315 J COUNTY, 20,500 20,500	9,076,025	1,230	9,300		\$		\$
	Fisherics & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Maychine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planiak Mill Grand Total Garages Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Brick Yards Grand Total Naval Stores Grand Total Naval Stores	\$		15	175,000 10,830 13,700 30,000 5,000 12,600 5,000 8,000 21,000 8,000 75,000 4,000 4,000 100,000 8,425 12,670 3,800 22,500 20,500	379,900 22,900 19,600 9,400 36,400 15,000 17,000 12,000 12,000 12,000 12,000 6,000 125,000 682,000 682,000 125,400 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500 12,500	269,315 J COUNTY, 20,500 20,500	9,076,025 \$ 7,640 	1,230	\$ 9,300 9,300	25	\$		\$
	Fisheries & Pack'g Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Fumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavedine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Fullers Earl Co Grand Total Garages Saw Mills Fullers Earlh Co Grist Mills Ice Factory Blacksmiths Blacksmiths Naval Stores Brick Yards Grand Total Naval Stores Cotton Gins Naval Stores Cotton Gins	\$		5.	175,000 10,830 13,700 30,000 5,000 12,600 5,000 21,000 8,000 75,000 4,000 4,000 18,000 20,200 20,500 100,000 8,425 12,670 3,800 22,000	379,900 22,900 19,600 9,400 30,400 17,000 17,000 12,000 12,000 12,000 12,000 6,000 125,000 682,000 8,000 125,000	20,300 20,300 COUNTY, 137,500	9,076,025 1\$ 7,646	1,230	\$ 9,300 9,300		\$	4.200	\$ 378.000
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Mavehine Shops Ice Manufacturing Ship Yard Leundry Saw Mills Naval Stores Shingie and Lumber Mill Planiag Mill Grand Total Garages Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Brick Yards Grand Total Naval Stores Cotton Gins Repair Shops	\$		D	175,000 10,830 13,700 30,000 5,000 12,600 5,000 21,000 8,000 75,000 4,000 4,000 18,000 20,200 20,500 100,000 8,425 12,670 3,800 22,000	379,900 22,900 19,500 9,100 36,1109 15,000 17,000 12,000 12,000 6,000 125,000 682,000 8,000 125,400 110,000 12,400 110,000 12,400 15,40	269,315 COUNTY, 20,500 COUNTY, 137,500	9,076,025 \$ 7,640 \$ 54,000 \$ 54,000	15,080 1,280 1,230 1,230 1,230	9,300 \$ 52,150 52,150	25	1\$ 2,500	4,200	\$ 378,000
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cabinet Shop Bakeries Cabinet Shop Bakeries Cabinet Shop Bakeries Cabinet Shop Laundry Saw Mills Fuller Shops Grand Total Garages Saw Mills Fullers Earlh Co Grist Mills Raval Stores Brick Yards Grand Total Raval Stores Brick Yards Grand Total Naval Stores Cotton Glas Repair Shops Grist Mills Repair Shops Grist Mills Repair Shops Grist Mills Repair Shops Grist Mills				175,000 10,830 13,700 30,000 5,000 12,600 5,000 8,000 21,000 8,000 75,000 4,000 18 187,095 20,200 100,000 8,425 12,670 3,300 22,000	379,900 22,900 19,600 19,600 9,400 15,000 17,000 12,000 12,000 12,000 12,000 125,000 8,000 125,000 682,000 8,000 125,000 125,400 125,400 125,400 15,400 6,200 18,500 HAMILTON \$ 178,850 7,100	269,315 7 COUNTX, 20,500 20,500 137,500 137,500	9.076,025 9.076,025 7,040 54,000	15,080 1,230 1,230 1,230 1,230 1,2310	9,300 \$ 52,150	25	1\$ 2,500	4,200	\$ 378,000
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Billy Yard Leundry Saw Mills Naval Stores Shingie and Lumber Mill Planiag Mill Grand Total Garages Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Brick Yards Grand Total Naval Stores Cotton Gins Repair Shops Grist Mills Millianery	\$		io	175,006	379,900 22,900 19,500 9,1000 36,1100 15,000 17,000 12,000 12,000 6,000 125,000 682,000 682,000 125,400 12,500 12,400 12,400 6,200 12,400 12,400 12,400 13,400 12,400 13,400 13,400 14,400 15,400 17,100	269,315 F COUNTY, 20,500 20,500 COUNTY, 137,500 137,500	9,076,025 \$ 7,646 \$ 54,006 54,006	1,230 1,230 1,230 20,310 20,310	9,300 \$ 52,150 52,150	25	\$ 2,500 2,500	4,200	\$ 378.000 \$ 378.000
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Gasoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Maychine Shops Ice Manufacturing Ship Yard Laundry Saw Mills Naval Stores Shingis and Lumber Mill Planiag Mill Garages Saw Mills Fullers Earth Co Grist Mills Naval Stores Brick Yards Grand Total Naval Stores Brick Yards Grand Total Naval Stores Cotton Gins Repair Shops Grist Mills Millinery Grist Mills Millinery Blectric Plants	\$		\$	175,000 10,830 13,700 30,000 5,000 12,600 5,000 8,000 21,000 8,000 75,000 4,000 18187,095 20,200 20,500 100,000 8,425 12,670 3,800 22,000	379,900 22,900 19,500 19,500 9,100 36,100 17,000 17,000 12,000 12,000 12,000 12,000 6,000 1255,000 682,000 682,000 12,400 110,000 12,400 15,400 15,400 18,500 HAMILTON \$ 178,850 7,800 7,800 5,000 7,800	269,315 COUNTY, 20,500 COUNTY, 137,500	9.076,025 \$ 7.646 \$ 54,000 54,000	15,080 1,230 1,230 0 20,310	9,300 \$ 52,150	25	\$ 2,500 2,500	4,200	\$ 378,000
	Fisheries & Pack's Estah Blacksmith & Rep Shop Ways Pottling Works Casoline & Oil Sup Shops Plumber & Rep Shop Auto Repair Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Cahinet Shop Bakeries Billy Yard Leundry Saw Mills Naval Stores Shingie and Lumber Mill Planiag Mill Grand Total Garages Saw Mills Fullers Earth Co Grist Mills Ice Factory Blacksmiths Naval Stores Brick Yards Grand Total Naval Stores Cotton Gins Repair Shops Grist Mills Millianery	\$		5	175,000 10,830 13,700 30,900 5,000 12,800 5,000 8,000 21,000 8,000 75,000 100,000 8,425 12,670 3,500 22,500 100,000 8,425 12,670 3,500 22,600 100,000 8,425 12,670 3,500 100,000 8,425 12,670 3,500 100,000 8,425 12,670 3,500	379,900 22,900 19,600 19,600 9,400 15,000 17,000 17,000 12,000 12,000 12,000 12,000 12,000 125,000 125,000 682,000 682,000 125,400 125,400 125,400 125,400 125,400 125,400 125,400 125,400 12,500 25,400 12,400 15,400 15,400 6,200 18,500 HAMILTON \$ 178,850 7,100 7,800 5,000	269,315 J COUNTY, 20,500 20,500 COUNTY, 137,500 137,500	9,076,025 \$ 7,646 7,646 \$ 54,006 54,006	15,080 1,230 1,230 1,230 1,231	9,300 \$ 52,150 52,150	25	\$ 2,500 2,500	4,200	\$ 378,00@

	750	BACCO MA	NUFACTOR	HES	Cost of M	aterial and	1	NAVAT.	STORES.		1	INNEDIES	ND PRODUC	TS
			MOPACION	1100.	Value of	Products.		NATAL	BIURES,			IMMERIES 2		
		Character	of Product.			lumns must ed in valu- actured To- aval Stores.	Turp	entine,	Re	osin.	of Upland This Gin		of Sea Is-	
NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number Cigars.	raine.	Number Cigarettes,	Value,	Cost of Production and Material Used fineluding Mill or Mine Supplies and Fuell,	Value of Work (in- cluding Custon Work and Repair- fug).	(}allons,	Value,	Barrets,	Value.	Number of Bales of Cotton Gluned at This Year.	Value.	Number of Bales of Isad Cotton Gluncd Glu This Year.	Value,
						DUVA	L' COUNTY-	-Cont.						
Clothes Repairers					49,800	84,400								
Concrete Works Clgar Manufacturers Landy Manufacturers Landy Manufacturers Contractors Contractors Lation Oil Products Labinet Makers	3,170,600	692,797			205,000	200,000						,,,,,,,,,,,,		
racker Manufacturers		********		• • • • • • • • • •	24,000 154,500	28,500								
Contractors				*********	18,000	26,000								
abinet Makers					960,400 21,800	1,340,000						,	**********	
offin Manufacturers				*********	3,000									
Bressmaking			[119,700	166,000								
Distillation Pine Products					31,900 285,000	304,100						*******		
Dying and Cleaning Wks .					34,300	54,300								
Engineering & Construction					90,000 80,000	130,000								
ertilizer Manufacturers					3,927,410	4.729,638					***********			
Inruest Mfr & Renairing					3,927,410 21,900	32,200				1				
Int Manufacturers					11,500 38,950	15,000 67.850			*******				**********	
ce Manufacturers					229,700	308,000								
aundries	*******	******			76,040	105,260							[]	
ockamith		*			274,100 5,600	9,500								
dachine Shope		} • • • • • • • • • • • • • • • • • • •])		5,600 66,700	108,400		* - 4 - 7 - 7 - 7 - 7						
lattress Manufacturing				********	446,300 6,800	600,500								
fachine Repair Shops					13,600	14,350								
fonument Migra.					175,000	220,000								
fusical Repair Shops					41,600 1,200	2,500						*********		
dirror Plating					2,500	4,500								
icture Frams Migra		********			1,800 10,000	3,000	,							
apering and Painting					48,000	67,000	1							
ewspaper Publishers				• • • • • • • • • • •	22,000	34,200	* * * * * * * * * * *							
lumbers					388,500 85,400	138 500	********	********		********	********			
Patrick Plumes and Page					244,800	386,100								
Contractors Contron Oil Products Cation Oil Products Cation Oil Products Cation Manufacturers Carliage Manufacturers Carriage Manufacturers Carriage Manufacturers Carriage Manufacturers Construction Cartilizer Manufacturers Construction Cartilizer Manufacturers Conse Shoeing Carness Mfg & Repairing Cartilizer Manufacturers Ce Manufacturers Constructurer Constructu			*********		8,000 15,700	18,000								*********
dusers					15,700 48,600 93,100	73,000								
Inval Stores					93,100	129,300								
Tallors (Aval Stores ent and Awning Migra runk Manufacturers					21,000	30,000	98,700	44,850	5,807	59,570	******			
runk Manufacturers					2,000	2,000								
aw Milla	*******	*******			12,000 1,389,504									
hip Bullders					70,000	118,000						1		
rrup Manufactuers hoe Repairing			********		35,000	45,000				1	[
MAN COOK DEIRED					94,900 30,000	103,400 40,000			*********					
mbreits Manufactures					98,600)	118,400							1	
ied Spring Migrs imbreits Manufacturer Vell Drillers Obolsterers itaning Mills hingle Mills resslng, Repair'g, Clean'g len Painters	*******		******		38,000	69,000						1		
pholaterers	*******		4 5 5 4 5 5 5 5 5 5 5		7,000 26,400	9,000 46 000								
bingle Mills			********		229,400 32,500 34,800	323,400								
ressing, Repair's, Clean's					32,500 34 800	30,400								
len Painters					15,700	02,000				1		1		

JACKSON COUNTY.

						048 048 04	COUNTY.							
Grand Total	[[8,	1	[5	\$ 27,001	\$ 80,800	3,802,625	1.521.050	8.1021	5.544.025				
43-1-4 34161-						16.400	1		. 0,102	0,011,420	[
Rice Mills				*******	120 381	100	,							
Cooper Shop					381	700								
Feed Crusher				*********	450 4,500	1,000								
Rice Mills Cooper Shop Repair Shop Keed Cruster Shingle Mills Naval Storee Saw Mills Cotton Glus					3,900	5,000								4.444.444
Naval Stores		{					3,892,625	\$ 1,521,950	8,102	\$ 5.544,025	2,800	\$ 200,601		\$
Saw Mills					4,500	34,100								******
Cotton Glus Blacksmith Shops		********			1.800	4.500					2,800	200,000		
DIACKARIN GUODE	1	4	1	1	1,000	2,000								\$
							N COUNTY.							
4														
Grand Total						\$ 273,385	48,900	\$ 26,300	3,251	¥ 38,160	1,322	\$ 100,000		\$
Blacksmith Shops					21,100	35,675						**********		********
Cotton Gln		•		;	5,000	3 200					1,844	166,00●		
Planing Mills Syrup Works Saw Mills Shingle Mills Turposylus Stills					7,000	10.600		**********		********			*********	***********
Syrup Works		[4,340 95,500	31,310								
Shingle Mills					95,500	144,400				* '				
Turnestine Stills				1	18,900	, 90 ¹ 100	48 0001	0.00	2.0511	22 1801				*******
Turpeatine Stills					6.109.	13,100	20,000	20,000	1102,0	90,100			· · · · · · · · · · · · · · · · · · ·	
					I	AFAYETTI	COUNTY.							
Grand Tolai	1	1\$	1	18	\$ 423,200	\$ 114,200	728 1044	≱ 12.000	9801	8 2 mai		*	7681	1500 000
Auto Bangie Shope					4.5401					e 91400		T	(946)	\$ 183,000
Blacksmith Shops Cooper Shops Chair Shop					9,800	9,700	********					**********		*********
Cooper Shops					1,600	3,200	. ,							
Chair Shop					500	25(18)								1 * * * * * * * * * *
Cotton Gins Grist Mills Naval Stores Planing Mill					1,500	2 100							768	163,606
Naval Stores					1,500	0,409	23,900	12,000	850	3 4001				*********
Planing Mill					50,000	10,000		22,000		0,300				
Rice Mill					3007									
Spingle Mill					5,000									
Sour Mille						10,000		*						
Saw Mills Burry Repairs .			4 4 5 4 4 4 4 4 4 4		346,000	62,300								
Rice Mill Sbingle Mill Saw Mills Wagon & Buggy Repairs		4				62,300 5,300								
Nagon & Buggy Repairs					346,000	62,300 5,300								
					346,000 4,900	62,300 5,300 LAKE	COUNTY.			· · · · · · · · · · · · · · · · · · ·				
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grand Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grund Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grund Tolat		\$		<u> *</u>	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grund Tolat		\$		\\$	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	s
Grund Tolat		\$		\\$	\$46,000 4,000 \$ 263,040	62,300 5,300 LAKE \$ 881,954	COUNTY.	\$		*		2	,	\$
Grand Tolal		\$		\\$	\$46,000 4,000 \$ 263,040	\$ 881,954 \$ 881,954 35,500 1,500 2,000 15,000 15,000 45,000 21,000 31,100 45,000 22,000	COUNTY.	\$		*		2	,	\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Mfgra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Slores Saw Mill & Shingles Kaqlin Mining		*			\$ 263.0401 \$ 263.0401 24,400 508 800 9,000 27,577 17,000 15,000 112,000	62,300 5,300 LAKE \$ 881,954 35,500 1,500 2,000 15,000 31,106 45,000 130,000	COUNTY.	\$		\$		25		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Mfgra Soft Drinks Water, Light and Ice Flumbing and Repaire Publishing and Printing Brick Manufacturers Navni Slores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.0401 \$ 263.0401 24,400 508 800 9,000 27,577 17,000 15,000 112,000	\$ 35,500 1,500 2,000 15,000 15,000 15,000 15,000 16,000 21,000 31,106 45,000 22,000 136,000	COUNTY.			***************************************		\$		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	62,300 5,300 LAKE \$ 881,954 35,500 1,500 2,000 15,000 2000 21,000 22,000 136,000 LEE C	COUNTY	\$		\$		æ		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 881,954 \$ 881,954 \$ 35,500 1,500 2,000 15,000 15,000 2,000 15,000 2,000 15,000 2,000 15,000 2,000	COUNTY	\$		*				\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 35,500 1,500 2,000 15,000 2,000 15,000 31,100 45,000 22,000 136,000 22,000 136,000 136,000 1,500 2,300 1,500	COUNTY					\$		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 35,500 1,500 2,000 15,000 2,000 15,000 31,100 45,000 22,000 136,000 22,000 136,000 1,500 2,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500	COUNTY					\$		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 35,500 1,500 2,000 15,000 2,000 15,000 31,100 45,000 22,000 136,000 22,000 136,000 1,500 2,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500	COUNTY					\$		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 35,500 1,500 2,000 15,000 2,000 15,000 31,100 45,000 22,000 136,000 22,000 136,000 1,500 2,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500	COUNTY					\$		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 35,500 1,500 2,000 15,000 2,000 15,000 31,100 45,000 22,000 136,000 136,000 1,500 3,400 9,500 3,400 9,500 3,500 1,000	COUNTY			*		\$		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 35,950 1,500 2,000 15,600 15,600 15,600 15,600 15,600 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,00	COUNTY.			*		·		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 \$ 263.040 24,400 500 800 9,000 \$ 27,572 17,000 15,000 112,000 \$ 214,848	\$ 35,950 1,500 2,000 15,600 15,600 15,600 15,600 15,600 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,000 2,000 15,00	COUNTY.			*		·		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Siores Saw Mill & Shingles Kaqlin Mining Grand Total		*			\$ 263.040 \$ 263.040 24,400 5080 800 9,000 52,777 3,900 27,572 17,000 15,000 112,000 \$ 214,848 50,000 5,000 1,500 1,500 1,000 5,000 1,500 1,148	\$ 358,950 1,500 2,000 15,000 15,000 15,000 15,000 15,000 11,000 22,000 13,000 23,000 1,5	COUNTY			*		*		\$
Grand Total Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Hepairs Publishing and Printing Brick Manufacturers Navni Slores Saw Mill & Shingles Kaolin Mining Grand Total Marine Ways & Mch Shops Storage Battery Plant Cigar Manufacturers Blacksmith Repair Shop Electric Shop Saw Hills Tailor Shop Saw Hills Tailor Shop Candy & Ice Cream Mig Lumbr Yd & Novelty Wks Garages Lee and Flectric Plants		*		\$	\$ 263.040 \$ 263.040 24,400 5080 800 9,000 52,777 3,900 27,572 17,000 15,000 112,000 \$ 214,848 50,000 5,000 1,500 1,500 1,000 5,000 1,500 1,148	\$ 35,500 1,500 2,000 15,000 15,000 15,000 2,000 15,000 21,000 22,000 136,000 23,000 1,500 31,200 1,500 1,500 31,200 1,500 1,500 3,500 1,500 3,	COUNTY			\$		\$		\$
Grand Tolat Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Repairs Publishing and Printing Brick Manufacturers Navni Slores Saw Mill & Shingles Kaqlin Mining Grand Total Marine Ways & Mch Shops Storage Battery Plant Cigar Manufacturers Blacksmith Repair Shop Electric Shoe Shop Saw Mills Tailor Shop Saw Mills Tailor Shop Candy & Ice Cream Mig Lumbr Yd & Novelty Wks Garages Ice and Electric Pignits Wagon Works		*			\$ 263,0401 24,400 508 800 9,000 9,000 17,572 17,000 12,000 12,000 12,000 10,000 5,000 1,000 5,000 1,000 5,000 1,000 5,000 1	\$ 35,500 1,500 2,000 15,000 15,000 15,000 2,000 15,000 22,000 136,000 22,000 136,000 23,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 1,	COUNTY			\$		\$		\$
Grand Total Millinery Laundry and Repnirs Watch Repairs Shoe Repairing Facking Houses (fruil) Bakery Products Novelty Works Migra Soft Drinks Water, Light and Ice Flumbing and Hepairs Publishing and Printing Brick Manufacturers Navni Slores Saw Mill & Shingles Kaolin Mining Grand Total Marine Ways & Mch Shops Storage Battery Plant Cigar Manufacturers Blacksmith Repair Shop Electric Shop Saw Hills Tailor Shop Saw Hills Tailor Shop Candy & Ice Cream Mig Lumbr Yd & Novelty Wks Garages Lee and Flectric Plants		*		\$	\$ 263.040 \$ 263.040 24,400 5080 800 9,000 52,777 3,900 27,572 17,000 15,000 112,000 \$ 214,848 50,000 5,000 1,500 1,500 1,000 5,000 1,500 1,148	\$ 35,500 1,500 2,000 15,000 15,000 15,000 2,000 15,000 22,000 136,000 22,000 136,000 23,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 3,000 1,500 1,	COUNTY			\$		\$		\$

Auton	1,860 \$ 43
Backwaith and Ropairs	1,860 \$ 43
Section Sect	1,860 \$ 43
Light # Fower Plants	1,860 \$ 43
Save All Brees	1,860 \$ 43
Ship Building	1,860 \$ 43
Ship Building	1,860 \$ 43
Ship Building	1,860 \$ 43
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	1,860 \$ 43
MARION COUNTY. MARI	1,860 43
Grand Total 225,000 \$ 10,000 5. 8 1,207,320 \$ 1,420,115 134,000 \$ 70,000 6,700 \$ 41,200 77 \$ 8,425 Saw Mills	1,860 43
Search 10,000 S. 10,000 S. 10,000 215,700 13,000 70,000 6,760 11,200	1,860 43
Saw Mills	
Foundry & Mach Shop 99,000 34,640 8 8 8 8 8 8 8 8 8	
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Foundry & Mach Shop 9,900 34,640 8 8 8 8 8 8 8 8 8	
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Clime Nils Companies 129,000 153,600 36,600 3	4444444
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Laundry Companies	
Laundry Companies	
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Table Tabl	
12,000	
12,000	
Barrel Factory 33,000 41,900 12,000 12	
Maitress Mfg Co	
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Vegetable Cambing Factory 1,000 1,500	
Vegetable Cambing Factory 1,000 1,500	
MONROE_COUNTY. MONR	
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Grand Total 42,293,802 1,450,803 8 \$ 311,583 \$ 365,737 \$ \$ \$ \$ \$ \$ \$ \$ \$	
Clear Monufacturers 42,293,802 1,450,808 187,000 220,000	\$
187,000 220,000 220,000 187,	
98,083 108,737 108,737 1000 14,000 1	
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NASSAU COUNTY.	
Grand Total \$ 0,936 \$ 104,900 198,000 \$ 69,900 4,100 \$ 24,800 \$	
Grand Total	
Anto Repule	
Rettling Works 1,200 3,000	
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Cannery Company 1,000 2,200	
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Navo Rtores	
OKEECHOBRE COUNT.	
Genya (Pote)	
Savel Stores	\$
titackenith 8000	\$
Illacksmith 8003 4,600 8 14,400 23,500 8 14,400 128,000 12	\$
Packers (101,090) 126,090)	\$
Truit Packing House	\$
RA WELLS	\$
Saw Mills Roat Bldg and Repairing 1,600 27,000 2,100 2,100	\$
Wagen Works and Repairs 1,600 2,100	\$

					P		II COUNTY.							
Grand Total				\$						-			<u> </u>	
leaners and Pressers				,	22,950 (3,500									
lacksmith and Repairs					9,000	4.0 (80)	1		1	1			1	
nte and Bicycle Repairs					70,050	80,000	441 74 8 8 8 8 8							
at Builders					24,150 82,000	40.200								
W MIIIS		*********	,		285, (75	265,690				1				
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					$\frac{2,000}{4,500}$	2,85 9 7,560								
					29,000	45,000								
e Cream Migrs. ovelty Works ressmaking Establishm't					13,600	18,0001				********				
					7,900 9,800	10,800	*******							
aundries					98 140	28,800								
akerles ottling Works gar Manufacturers achine Bhops umbing and Repairs					8,150	11,800								
gar Manufacturers	51,500	25,750			10.550	92 500			41414141					
achine Bhops			********		19,550 88,700	43.700								
heet Matal Works					10,850	10,500					<u> </u>		4 * * * * * * * * * * * * * * * * * * *	
reer and the						PASCO	COUNTY.							
Grand Total	24,000	2,200	,,	\$	\$ 3,842,175	\$ 4,518,850	310,000	\$ 178,000			550			
ALL PROPERTY.	1	1			16,200	20,000					550	57.560	1.500	350,
acksmith Shope ition Gins rigation Works ine Mills					154,000	345,000						31,000	is conser di	
rigation Works					20,375	13.6504								
rist Mills						17,000		* 1 4 * * * * * * *		,	**********			******
ewspapers and Printing					13,000 15,000	00.000							1	
acking Houses					4,099	6.006								
ewspapers and Printing acking Houses					1,000	2,000	810 100	179 000	18 900	29 800				******
aval Stores		********		********	150,000	200 000	510,100	119,000	10,800	20,000				
obseco Comiumi,					2 920 000	2 722 000	1							
						20.000								
enstruction Company	T				7, 0 00	20,000								
onstruction Company oncrete Works	I				2,000 1,500	2.400								
los	24.000	2,200			*******									
oncrete Works llos igar Factory onl Burners	.,,,,,,,,,				4,000	10,000								
on Burners					13,300		COINTY.			11.000	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	1 477 000	\$ 16.680		(e	\$ 457,000	9 818 535	8.945	\$ 6,000	679	18 5,300		1\$. 	\$
Grand Total	4/5,000	\$ 16.000	1	1		97.540		4						
larage and Anto Repairing					24,000									
terete Shop and Revalrs		.,,,,,,,,,		.]	6,300	9,490				********				
acted things and					1 2,509	15,434344								
lacksmith Shop and Repre	1	10.000												
lacksmith Shop and Repring	475,600	16,680			13,440	10.00								
lacksmith Shop and Repriligar Magufacturing	475,000	16,680			13.440 40.000	19,635 50,000								
lacksmith Shop and Repring Magnifacturing leaning & Fressing Shops ruit Packing House lavely Mills	475,000	16,680			13,440 40,666 227,590	19,635 50,000								
iscksmith Shop and Repri igar Magnifacturing leaning & Pressing Shops ruit Facking House ovelty Mills Manufacturing	475,900	16,680			13.440 49.666 227.566 56,606	19,635 50,000								
lacksmith Shop and Reprigar Manufacturing leaning & Fressing Shops ruit Facking House leaving House	475,000	16,680			13.440 40.000 227.300 56,000	19,635 50,000 263,990 75,000	8,943	6,006	670	5,300				*****
lacksmith Shop and Reprilgar Manufacturing leaning & Fressing Shops ruit Facking House ovelby Mills e Manufacturing avat Stores hw Mills hoe Shop and Repairs	475,900	16,680			13.440 40.000 227.790 50,000 41,000 \$,450	19,635 50,060 263,990 75,060 70,000 12,900	8,945	6,006	670	5,300				* * * * * * * * * * * * * * * * * * * *
						19,635 50,060 263,990 75,060 70,990 12,909	8,945 COUNTY	6,696	670	5,306				* * * * * * * * * * * * * * * * * * * *
	1 47 000	12 120	VI	1¢	(t 322 976	19,685 50,000 263,990 75,000 70,000 12,900 POLK \$ 714,375	8,943	6,696	670	5,306		18		1.5
	1 47 000	12 120	VI	1¢	(t 322 976	19,685 50,000 263,990 75,000 70,000 12,900 POLK \$ 714,375	8,943	6,696	670	5,306		18		1.5
Grand Total	45,600 45,600	17,160 17,160)		8,500	19,685 50,000 283,990 75,000 12,900 POLK \$ 714,375	8,943 COUNTY.	6,696	670	5,306		18		I.S.
Grand Total	45,600 45,600	17,160 17,160)		8,500	19,685 50,900 283,990 75,000 12,900 POLK \$ 714,375 9,590 40,075	8,943 COUNTY	6,696	670	5,306		18		1.55
Grand Total igar Massufacturing ottling Works epair Shops arage and Repair Shops	45,600) \$ 17,160 17,160)		8,590 960 39,800	19,685 50,900 283,990 75,000 12,900 POLK \$ 714,375 9,590 40,075	8,943 COUNTY	6,696	670	5,306		18		1.55
Grand Total	45,600) \$ 17,160 17,160)		8,590 960 39,800	19,635 50,000 283,990 75,000 12,909 POLK \$ 714,375 1,260 40,875 1,260 34,200	8,943 COUNTY.	6,690	670	5,306		18.		15
drand Total gar Mamifacturing stilling Works spair Shop arage and Repair Shops c Manufacturing rapefrait Juice Mig	45,600 45,600) 17,160 17,160)		8,590 9800 15,000 25,000 80,000	19,685 50,960 283,990 75,060 12,900 POLK \$ 714,375 1,260 40,875 22,066 34,200 34,200	S,943 COUNTY.	6,696	670	5,306		1.8		\$
Grand Total gar Manufacturing attling Works epair Shop arage and Repair Shops e Manufacturing thingten Manufacturing	45,600 45,600) 17,160 17,160)		8,590 9800 15,000 25,000 80,000	19,685 50,960 283,990 75,060 12,909 POLK \$ 714,375 1,260 46,875 22,068 \$4,200 115,700 459,064	COUNTY.	6,696	670	5,306		1.8		\$
drand Total gar Mamifacturing stilling Works spair Shop arage and Repair Shops c Manufacturing rapefrait Juice Mig	45,600)(\$ 17,160) 17,160			8,590 260 25,900 25,900 80,000 290,000 14,900	19,685 50,960 283,990 75,060 12,900 POLK 5 714,375 1,260 46,875 22,068 34,200 115,700 459,094 9,900 POTNAI	COUNTY.	8,666	670	5,306		18.		15
Grand Total gar Manufacturing stelling Works spair Shop strage and Repair Shops came and Repair Shops camer Manufacturing camer Manufacturing camer Manufacturing e and fights	45,600	7,160 17,160 17,160	0		8,590 260 29,800 16,000 25,000 80,000 14,900	19,635 50,000 283,990 75,000 70,000 12,900 POLK \$ 714,375 1,260 46,875 22,008 34,200 15,500 459,004 90,900 POFNAI	COUNTY.	6,696 Is.	670	5,306		18.		
Grand Total gar Manufacturing pair Manufacturing price Shop trage and Repair Shops e Manufacturing raperrait Juice Mig tingies Manufacturing mber Manufacturing e and fights Grand Total	45,600	0 17,160 0 17,160			8,590 39,800 16,000 25,000 80,000 290,000 14,900	19,685 50,060 283,990 75,060 12,900 POLK 18,714,375 1,260 46,875 22,008 34,200 15,500 459,094 PUENAI 18,3,913,900 280,806	COUNTY.	8,696 18.	670	5,306		18		\$
Grand Total gar Manufacturing stelling Works spair Shop trage and Repair Shops e Manufacturing rapefrait Juice Mig tingies Manufacturing amber Manufacturing e and fights Grand Total toss Tie Mig	45,600 45,000	0 17,160 17,160	0	- \$	8.590 30.800 16.000 25,000 80.000 14.000 14.000	19,685 50,960 283,990 75,080 12,900 POLK \$ 714,375 40,875 22,008 \$ 42,900 155,500 459,094 PUENAI \$ 3,918,900 280,806 280,806	COUNTY.	8,696 S 91,954	670	5,306 (S		18		\$
Grand Total gar Manufacturing ettling Werks epair Shop rage and Repair Shops e Manufacturing rapefrait Juice Mig lingtes Manufacturing mber Manufacturing e and fights Grand Total ross Tie Mig leaning and Pressing akeriea	45,600	77,160 17,160 17,160	0		\$ 483,260 8,590 39,890 16,990 25,000 80,090 290,000 14,000 193,496 2,606 11,200	19,685 50,000 283,990 75,000 12,900 POLK \$ 714,375 1,260 46,875 22,000 \$34,200 115,700 459,004 90FNA1 \$3,918,900 289,806 24,906 22,000	COUNTY.	8,696 8,796	670	5,306		18		\$
Grand Total gar Mamufacturing stilling Works spair Shop trage and Repair Shops c Manufacturing sapefrait Juice Mig singles Manufacturing amber Manufacturing e and flights Grand Total ross Tie Mig leaning and Pressing akeries gar Manufacturing	45,600 45,000	0 17,160 0 17,160 0 5 13,000	b		\$ 483,260 8,500 30,800 16,000 25,000 80,000 290,000 14,900 \$ 2,324,189 2,006 11,200 15,764	19,685 50,000 283,990 75,000 12,900 POLK \$ 714,375 40,875 22,000 155,500 459,000 90ENAI \$ 3,918,900 22,000 22,000	S,943 COUNTY. L COUNTY. L L L L L L L L L L L L L	8,666 8.	91 34,366	5,306		18.		\$
Grand Total gar Manufacturing patiling Works epair Shop arage and Repair Shops e Manufacturing rapernit Juice Mig ningten Manufacturing umber Manufacturing e and fights Grand Total ross Tie Mig leaning and Pressing akeriea gar Manufacturing lean Laundries	45,600 45,000	0 13,000 13,000	6		\$ 483,260	19,635 50,000 283,990 75,000 70,000 12,900 POLK \$ 714,375 40,975 22,000 34,900 459,000 90,900 PUENAL \$ 3,913,900 24,900 22,900 22,900	COUNTY.	6,600 IS.	670	5,306		- 15		
Grand Total igar Manufacturing ettiling Works epair Shop arage and Repair Shops to Manufacturing rapefrait Juice Mig hingies Manufacturing amber Manufacturing to and Ights Grand Total ross Tie Mig leaning and Pressing takeries ligar Manufacturing voed Yards lean Laundries amber Manufacturing	45,600 45,000	0 13,000	0	- \$	\$ 483,260 8,590 39,890 16,000 25,000 80,000 290,000 14,900 193,496 2,006 11,200 15,666 10,566	19,635 50,960 283,990 75,060 12,900 POLK \$ 714,375 40,875 22,006 \$ 459,066 30,006 PUENAL \$ 3,913,900 22,906 \$ 22,906 1,644,906 21,996	COUNTY.	8,696 S	01 14,300	5,306		18		
Grand Total Igar Manufacturing bettling Works tepair Shop arase and Repair Shops or Manufacturing frapefrait Juice Mig hingies Manufacturing ce and Idghts Grand Total Tous Tie Mig leaning and Pressing Sakerlea Igar Manufacturing Works Henm Laundries Launder Manufacturing More Tards Stehm Laundries La	45,600 45,000 65,600	0 17,160 0 17,160 0 13,000	b	- \$	8.590 30.800 16.000 25,000 80.000 290.900 14,000 18.2.324.189 193.496 11.200 11.200 12.504 10.504 10.504 10.504 10.504 10.504 10.504	19,685 50,960 283,990 75,080 12,900 POLK \$ 714,375 40,875 22,006 \$ 34,200 155,500 PUFNAI \$ 3,918,900 22,006 \$ 22,006 154,906 31,906 154,906 31,906 154,906 31,906 154,906 31,906 154,906 31,906 154,906 31,906 31,906 31,906	COUNTY.	8,666 8,766	670	5,306		1.8		
Igar Manufacturing sottling Works tepair Shop tarase and Repair Shops or Manufacturing trapefrait Juice Mfg thingten Manufacturing to Manufacturing to and Lights Grand Total Tross Tie Mfg Heaning and Pressing Rakerlea Tigar Manufacturing Total Manufacturing Total Tigar Manufacturing Total Tigar Manufacturing Total Tigar Manufacturing Tigar Man	45,600 45,000	0 \$ 13,000 13,000	0	- \$	\$ 483,260	19,635 50,000 283,990 75,000 75,000 12,900 POLK \$ 714,375 1,260 46,875 22,008 34,200 15,500 459,004 289,806 21,940 22,008 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,500 115,606 116,646 116,646 116,646 116,006	COUNTY.	6,696 S. 91,950	970	5,306		18.		
Grand Total igar Manufacturing ottiling Works epair Shop arage and Repair Shops to Manufacturing reperint Juice Mig hingten Manufacturing umber Manufacturing to and Ights Grand Total ross Tle Mig leaning and Pressing akeries lean Laundries lean Laundries leann Laundries leanner Manufacturing	45,600 45,000	0 \$ 13,000 13,000	0	- \$	\$ 483,260	19,635 50,000 283,990 75,000 12,900 POLK \$ 714,375 40,875 40,875 42,000 30,990 POENAI \$ 3,913,900 224,906 24,906 51,996 51,996 51,996 10,000 10,000 10,000	COUNTY. COUNTY. IROSOC	8,696 S	34,306	5,306 5,306 (S		18		IS

93

94	Grand Total	. 1 3,000,85	0 \$ 110,28	7	. \$	\$ 875,021	\$ 1,243,720		¥ 57,720						******
						40 20.41	19.470								
1	Bleycle Repair Shops Bottling Works Bakeries Blacksmith Shops Bear Blåra and Repairers Barrel Factorles Cigar Manufacturers Cabinet Manufacturers Mfg Cement Blk & Fences			*********		11,150 18,000	54,0001								
û.e	Blacksmith Shops				£ .	7,982	28,000								
	Boat Bldrs and Repairers					6,800 43,200	16,500			********					
	Char Manufacturer	3 ROK 880	110.287			40,200	100,000								
	Cablust Manufacturers	*********	110,000			4,500	9.800								
	Mfg Cement Blk & Fences Contractors & Bullders Coopering Cross Tie Contractor				1	9,020 73,000	18,250								*********
	Coppering & Builders					10,400	14,500								
	Cross Tie Contractor					5,000	8,000								
	Dressmaking	,				25,100 100,000	120,000	1							
	Fuentiure Mers & Beers					4,500 2,235	11,000								
	Grisl Mills	. ,				2,235	8,950						********		*******
	Hanness Mkrs & Repre					$13,000^{\circ}$ $1,500^{\circ}$	3.0001								
	In Englance & Cald Street	1		1		56,386	165 000								********
	Frinting Plants					65,000	114,200								
	Jelly Manufacturers					960, 48,772	1,000	********	*********						
	Light l'lants & I'wr House					20,000	35,500								
	Millinery Shops					18,500	43.0501		1						
	Novelty Mill					5,000 4,500	11,000								
	Plumbing Shop and Repre	• • • • • •	********	********		35,500	4 E A C ()		i					1	
	Shoe Mkrs and Reprs					20,050	28,500								
	Soap Manufacturers					1,300 2,800	8,900 ₀								
	Sawing Mch Rep Shop					24,800	30,630								
	The Shop					2,000	3,000	*********			25 000				
	Naval Stores					1,800	.2500	101,800	57,720	1,130	00,000				
	Vulcanizing Plant		*******	j		2,100	3,000						********		
	Water Works					7,020	30,000					********	,		*******
	Coopering Cross Tie Contractor Dressmaking Auto Garages and Repairs Furniture Mars & Repris Grisl Mills Humess Mars & Repris Hat Cleaner & Repairer Ice Factories & Coid Strge Fristing Plants Jelly Manufacturers Light Plants & Pwr House Laendries Millinery Shops Novelty Mill Plumbing Shop and Hepry Planling Mill Shoe Mars and Repris Somp Manufacturers So						ST. LUCIE		\$		140		15		<u>e</u>
	Grand Total	3,960	\$ 4,560	1	1		39.000			1	Ĭ			1	
)	The season to a season to a	1	I	1	1	23,280 8,000	32,900								
	Barrel Factories Broom Factories Ctgar Factory	3,960	4,560			23,280 8,000	32,906 21,600						1 1 1 1 1 1 1 1 1 1 1 1		1114103711
	Barrel Factories Broom Factories Ctgar Factory	3,960	4,560			23,280 8,000	32,906 21,600						1 1 1 1 1 1 1 1 1 1 1 1		1114103711
	Barrel Factories Broom Factories Ctgar Factory	3,960	4,560			23,280 8,000	32,906 21,600						1 1 1 1 1 1 1 1 1 1 1 1		1114103711
	Barrel Factories Broom Factories Ctgar Factory	3,960	4,560			23,280 8,000	32,906 21,600						1 1 1 1 1 1 1 1 1 1 1 1		1114103711
	Barrel Factories Broom Factories Ctgar Factory	3,960	4,560			23,280 8,000	32,006 21,600 17,000 9 9,000 500 12,000 33,786								T 1 2 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Barrel Factories Broom Factories Ctgar Factory	3,960	4,560			23,280 8,000	32,006 21,600 17,000 9 9,000 500 12,000 33,786								T 1 2 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Barrel Factories Broom Factories Ctgar Factory	3,960	4,560			23,280 8,000	32,906 21,600 17,000 9 9,000 500 12,000 33,796 170 25,000 63,870								
	Barrel Factories Broom Factories Cigar Factory Concrete Works Garages and Mch Shops Home Cannery Ice Cream Products Lee Factory Mig Jeliles & Preserves Machine Shop Saw Mills	3,560	4,560			23,280 8,000 13,100 88,100 11,800 29,571 135 22,000 \$5,300 2,480	32,906 21,600 17,000 9 9,000 500 12,000 33,796 170 25,000 63,870								
	Barrel Factories Broom Factories Cigar Factory Concrete Works Garages and Mch Shops Home Cannery Ice Cream Products Lee Factory Mig Jeliles & Preserves Machine Shop Saw Mills	3,560	4,560			23,280 8,000 13,100 88,100 11,800 29,571 135 22,000 \$5,300 2,480	32,906 21,600 17,000 9 9,000 500 12,000 33,796 170 25,000 63,870								
	Barrel Factories Broom Factories Ctgar Factory	3,560	4,560			23,280 3,000 13,100 88,100 11,800 29,571 135 22,000 \$5,300 2,480 15,024 424	32,906 21,600 17,000 9 9,000 500 12,000 33,796 170 25,000 63,870								
	Barrel Factories Broom Factories Cigne Factory Concrete Works Garages and Meh Shops Gome Cannery Ice Cream Products Ice Factory Mig Jeilles & Preserves Biachine Shop Saw Mills Slice Shops Bottling Wrks Blackamith Shop	3,540	4,560			23,280 3,000 13,100 88,100 480 11,800 29,571 135 22,000 \$5,300 2,480 15,024 424	32,906 21,600 17,000 9,000 509 12,000 33,796 170 25,000 63,870 4,052 17,528 1,596 SUWANNER	S COUNTY.	7 990	1.5499	8.614	104	\$ 15,600	1,533	\$ 365,920
	Barrel Factories Broom Factories Ctgar Factory Concrete Works Garages and Mch Shops Gomes Cannery Lee Cream Froducts Lee Factory Mtg Jetiles & Freserves Machine Shop Saw Mills Shoe Shops Bottling Wrks Blackamith Shop	3,560	4,560		\$	23,280 3,000 13,100 88,100 400 11,800 29,571 135 22,000 \$5,300 \$5,300 \$15,024 424	32,906 21,600 17,000 9 9,000 12,000 33,796 25,000 63,970 4,052 17,536 SHWANNES	COUNTY. 12.745	s 7,920	1,569	\$ 8,614	104	\$ 15,600	1,533	\$ 365,920
	Barrel Factories Broom Factories Cigne Factory Concrete Works Garages and Mch Shops Gome Cannery Ice Cream Products Ice Factory Mig Jeliles & Preserves Machine Shop Saw Mills Sloc Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin	3,540	4,560		1\$	23,280 3,000 13,100 88,100 400 11,800 29,571 135 22,000 \$5,300 \$5,300 \$15,024 424	32,906 21,600 17,000 9 9,000 12,000 33,796 25,000 63,970 4,052 17,536 SHWANNES	COUNTY. 12.745	s 7,920	1,569	\$ 8,614	104	\$ 15,600	1,533	\$ 365,920 _76,240
	Barrel Factories Broom Factories Clara Factory Concrete Works Garages and Mch Shops Home Cannery Ice Cream Froducts Lee Factory Mfg Jeliles & Freserves Machine Shop Saw Mills Slice Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores	3,560	4,560		\$	23,280 3,000 13,100 88,100 400 11,800 29,571 135 22,000 \$5,300 \$5,300 \$15,024 424	32,906 21,600 17,000 9 9,000 12,000 33,796 25,000 63,970 4,052 17,536 SHWANNES	COUNTY. 12.745	s 7,920	1,569	\$ 8,614	104	\$ 15,600	1,533	\$ 365,920 _76,240 _241,680
	Barrel Factories Broom Factories Clare Factory Concrete Works Garages and Mch Shops Home Cannery Ice Cream Froducts Lee Factory Mfg Jeliles & Freserves Machine Shop Saw Mills Shee Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores	3,560	4,560		\$	23,280 3,000 13,100 88,100 11,800 29,571 1135 22,000 \$5,300 2,480 15,024 15,024 4,403 4,630 4,630 6,600	32,906 21,600 17,000 9,900 509 12,000 33,796 170 25,000 63,870 4,052 17,528 1,596 SUWANNES 8,850 0,050	2.745	7,920	1,569	\$ 8,614 8,614	104	15,600	1,533 326 1,007 200	\$ 365,920 -76,240 -241,680 -48,000
	Barrel Factories Broom Factories Cigne Factories Cigne Factory Concrete Works Garages and Mch Shope General Products Ice Factory Mig Joliles & Preserves Machine Shop Saw Mills Slice Shops Bottling Wrks Blackamith Shop Grand Total Macksmith Shop & Repres Cotton Gin Naval Stores Gin and Grist Mills Saw and Grist Mills	3,540	4,560		\$	23,280 3,000 13,100 88,100 400 11,800 29,571 135 22,000 \$5,300 \$5,300 \$15,024 424	32,906 21,600 17,000 9,900 509 12,000 33,796 170 25,000 63,870 4,052 17,528 1,596 SHWANNES 8,850 11,850 2,850 3,850	12,745 12,745	7,920	1,569	S 8,614	104	15,600	326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
	Barrel Factories Broom Factories Clare Factory Concrete Works Garages and Mch Shops Home Cannery Ice Cream Froducts Lee Factory Mfg Jeliles & Freserves Machine Shop Saw Mills Shee Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores	3,540	4,560		\$	23,280 3,000 13,100 88,100 11,800 29,571 22,000 \$5,300 2,480 15,024 424 15,024 4,630 4,630 6,680 1,650	32,906 21,600 17,000 9,900 509 12,000 33,796 1,70 25,000 62,870 4,052 17,528 1,596 SUWANNES 8,850 11,850 3,850 25,300	12,745 12,745	7,920	1,569	S 8,614	104	15,600	1,533 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
	Barrel Factories Broom Factories Cigne Factories Cigne Factory Concrete Works Garages and Meh Shops Gome Cannery Ice Cream Products Ice Factory Mig Jeliles & Preserves Machine Shop Saw Mills Slice Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores Gin and Grist Mills Saw and Grist Mills Grist Mill Corn Millers	3,540	4,560		1\$	23,280 3,000 13,100 88,100 11,800 29,571 22,000 \$5,300 2,480 15,024 424 \$ 36,200 4,630 1,650 18,500	32,906 21,600 17,000 9,000 509 12,000 33,796 170 25,000 63,870 4,052 17,528 1,596 SHWANNES 18,550 11,850 3,850 25,390 TAYLOR	12,745 12,745 12,745	7,920	1,569	8,614 8,614	104	15,600	326 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
	Barrel Factories Broom Factories Cigar Factory Concrete Works Garages and Meh Shops Home Cannery Ice Cream Products Ice Factory Mig Jelies & Preserves Mig Jelies & Preserves Mintelline Shop Saw Mills Shop Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores Gin and Grist Mills Grist Mill Corn Millers Grand Total	3,540	4,560		\$	23,280 3,000 13,100 88,100 11,800 29,571 1135 22,000 \$5,300 2,480 15,024 4,800 4,800 1,650 18,500	32,906 21,600 17,000 9,000 509 12,000 33,796 170 25,000 63,870 4,052 17,528 1,596 SHWANNES 18,550 11,850 3,850 25,390 TAYLOR	12,745 12,745 12,745	7,920	1,569	8,614 8,614	104	15,600	326 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
	Barrel Factories Broom Factories Cigar Factory Concrete Works Garages and Meh Shops Home Cannery Ice Cream Products Ice Factory Mig Jelies & Preserves Mig Jelies & Preserves Mintelline Shop Saw Mills Shop Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores Gin and Grist Mills Grist Mill Corn Millers Grand Total	3,540	4,560		\$	23,280 3,000 13,100 88,100 11,800 29,571 1135 22,000 \$5,300 2,480 15,024 4,800 4,800 1,650 18,500	32,906 21,600 17,000 9,000 12,000 33,796; 170 63,870 4,052 17,528 1,546 SHWANNES 18,550 11,850 25,300 TAYLOR	COUNTY. 12.747 12.747 101,000	7,920 7,920 8 505,000	1,569 1,569 (,850	\$ 8,614 \$,614 \$ 68,500 \$ 68,500	104	15,600	1,583 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
	Barrel Factories Broom Factories Cigar Factory Concrete Works Garages and Meh Shops Home Cannery Ice Cream Products Ice Factory Mig Jelies & Preserves Mig Jelies & Preserves Mintelline Shop Saw Mills Shop Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores Gin and Grist Mills Grist Mill Corn Millers Grand Total	3,560	4,560		\$	23,280 3,000 13,100 88,100 11,800 29,571 1135 22,000 \$5,300 2,480 15,024 4,800 4,800 1,650 18,500	32,906 21,600 17,000 9,900 12,000 12,000 33,796 170 25,000 63,870 4,052 17,528 1,596 SUWANNES \$ 58,250 11,850 25,300 TAYLOR \$ 33,500 27,000 27,000	COUNTY. 12.745 12.745 101,000	7,920 7,920 \$ 505,000	1,569 1,569 6,850	\$ 8,614 8,614 8 68,500	104	15,600	326 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
	Barrel Factories Broom Factories Cigne Factories Cigne Factory Concrete Works Garages and Mch Shops Gonerete Works Garages and Mch Shops Gonerete Works Grannery Ice Cream Products Ice Factory Mig Jeilles & Preserves Blacking Shops Bottling Shops Bottling Wrks Blackanith Shop Grand Total Grand Total Grand Grist Mills Saw and Grist Mills Grist Mill Corn Millers Grand Total Saw Mills Saw Mills Naval Stores Log Camps Garages and Repairs	3,540	\$		\$ \$ \$	23,280 3,000 13,100 88,100 11,800 29,571 21,000 \$5,300 2,480 15,024 424 \$ 36,200 4,800 1,650 18,500 \$ 4,000 1,000 1,200 11,200 11,200 11,200 11,200	32,906 21,600 17,000 9,000 509 12,000 33,796 170 25,000 63,870 4,052 17,528 1,596 SUWANNER \$ 58,250 11,850 25,300 TAYLOR \$ 131,750 82,500 27,000 1,400	COUNTY. 101,000	7,920 7,920 8 505,000	1,569 1,569 6,850	\$ 8,614 8,614 8 68,500	104	15,600	326 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
<u> </u>	Barrel Factories Broom Factories Cigne Factories Cigne Factory Concrete Works Garages and Mch Shops Gonerete Works Garages and Mch Shops Gonerete Works Grannery Ice Cream Products Ice Factory Mig Jeilles & Preserves Blacking Shops Bottling Shops Bottling Wrks Blackanith Shop Grand Total Grand Total Grand Grist Mills Saw and Grist Mills Grist Mill Corn Millers Grand Total Saw Mills Saw Mills Naval Stores Log Camps Garages and Repairs	3,540	\$		\$ \$ \$	23,280 3,000 13,100 88,100 11,800 29,571 21,000 \$5,300 2,480 15,024 424 \$ 36,200 4,800 1,650 18,500 \$ 4,000 1,000 1,200 11,200 11,200 11,200 11,200	32,906 21,600 17,000 9,000 12,000 12,000 33,796 170 25,000 63,870 4,052 17,528 1,506 SUWANNES \$ 58,250 11,850 3,500 25,300 TAYLOR \$ 131,750 82,500 19,000 19,000	12,745 12,745 101,000	7,920 7,920 8 505,000	1,569 1,569 6,850	\$ 8,614 \$,614 \$ 68,500	104	15,600	1,533 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000
	Barrel Factories Broom Factories Cigar Factories Cigar Factory Concrete Works Garages and Meh Shops Home Cannery Ice Cream Products Les Factory Mig Jelies & Preserves Mig Jelies & Preserves Minchine Shop Saw Mills Shops Bottling Wrks Blackamith Shop Grand Total Glacksmith Shop & Reprs Cotton Gin Naval Stores Gin and Grist Mills Grist Mill Corn Millers Grand Total Grand Total Grand Total Saw Mills Saw Mills Saw Mills Naval Stores Log Camps	3,540	\$			23,280 3,000 13,100 88,100 11,800 29,571 21,000 \$5,300 2,480 15,024 424 \$ 36,200 4,800 1,650 18,500 \$ 4,000 1,000 1,200 11,200 11,200 11,200 11,200	32,906 21,600 17,000 9,000 12,000 12,000 63,796 1,70 63,870 4,052 1,7528 1,596 SHWANNES 8,850 11,850 3,800 25,300 TAYLOR \$ 131,750 83,500 1,400 19,000 800 800 800	COUNTY. 12.745 12.745 101,000	7,920 7,920 8 505,000	1,569	\$ 8,614 8,614 \$ 68,500	104	15,600	326 326 1,007 200	\$ 365,920 _76,240 _241,680 _48,000

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	то1	SACCO MAI	NUFACTORI	ES.	Cosl of Mar Value of I	lerial and Products.		NAVAL 8	STORES.		- G	INNERIES .	AND PRODUC	CTS.
		Character	of Product.		not be used	mas mast	Turper	itlne	Ros	Min.	of Cpand This Gin		et Is-	
NAME OF BUSINESS, MANUFACTURE OR PRODUCT.	Number Cigars.	Value.	Number Clarettes.	Value,	Cost of Production and Material Used (Including Mill or Mine Supplies and Name Puel).		Gallons.	Value,	Barrels,	Value,	Number of Bales of Circles Cotton Glaned at This	Value,	Number of Bales of Se land Cotten Gluned at eth This Year,	Value.
						VOLUSIA								
tirand Totat		*		\$	\$ 1,500,440	\$ 3,519,820	60,500							
Saw Mills					717,000		60,500	34,450	[3.310 [62,500				
invat Stores Puss Ties Tre Repairers			- 4 4 4 1 4	,	67,900 2,500	8.900						*********	*	
lght, Ice & Pwr House					204,235	2452.3.201								********
lre Repairers lgit, Ice & Pwr Heuse kater Fower ete Repair Shops ule Frinting Shops rinting Shops slacksmith Shops lacksmith Shops lacksmith Shops lacksmith Shops lacking & Pressing Shops leaning & Pressing Shops lamining and Repairing lakertes virth Repairing aundries sleycie Repair Shops de Cream Migrs lheel lictat Works ressmaking Eslablishmis fillinery Shops					12,800 69,500	195,700								
ulo Painting Shops					6,000 45,010	19,400	,							
rinting Shops					5,255	17,000								
hoe Repair Shops					11,400 35,030	26,600 93,700			- 1 + 1 + 4 + - 1 4					
leaning & Pressing Shops		4 * 4 4 4 4 4 4 4 4 7 7			3.370	31,150								
lumbing and Repairing .					37,600 37,100	91,700 67,500	• • • • • • • • • • • • • • • • • • • •							
atch Repairing					2,175	117,4011				1 4 7 9 9 9 9 7 7				
Rundries Shore					8,105 9,550	42,300 25,700	1						1	
e Cream Migra					10,000	39,250								*******
heel Metat Works	• • • • • • • • • •				17,100 5,680	16,485								
Illinery Shops					26,250 34,000									
ay Prying					13,800	31,800								
fgra Preserves & Allies .					8,500 20,700	25,700								
aper Hanging					4,500	12,400								
resmaking Establishms (IIIInery Shops (ay Drying otilling Works (fight Preserves & Allies ont Building & Repairs aper Hanging ement Confractors rist Mits					39,000 790	76,000 1.100			12:22:22:22				[
						7,500								
Ilscollaneous Industries .					24,470						* * * * * * * * * * * * * * * * * * * *			
			 	Lab	The was a second	4	92,000	a an dan	2 0750	w 41 2101				
Grand Total			1	Г		\$ 41,707	92,000		\$ 5,942 5,942	61.6131				
aw Milits					21,232	32,800								
ooper Shops					4,450	5,795							1	******
aval Stores av Mits ooper Shops lacksmith Shops un Repair Shops rist Mills			1		500 975	700				********				******
bingle Mills					1,100	1,400					*********			******
						WALTON	COUNTY.							
		\$		\$	\$ 444,112	\$ 1,001,725	504,450)	\$ 186,628	33,259	\$ 323,286		18	[\$
tirand Total					6,370	10,800		180,628	33,259	302 500				******
rist Mills					4.624	7,825						1	1	
rist Milis Avsl Stores lacksmith Repair Shops						1197 140						(*********		
rist Milis Avsl Stores lacksmith Repair Shops			1											
rist Mills Avel Stores lacksmith Repair Shops aw Mills			1		V	VASHINGTO	N COUNTY		1 45 540	v 100 ace	- 22.0	Ta on san		
rist Mills avel Stores lacksmith Repair Shops aw Mills Grand Total		**********] 8	V	VASHINGTO	275,956	\$ 197,927					1	•
rist Milis avel Stores lacksmith Repair Shops aw Milis Grand Total aval Stores locksmith Shops		*		8	8 420,176 8,556	7,800	275,956 275,956	\$ 197,927 197,927	19,815	169,695			[
rist Milis lavel Stores likeksmith Repair Shops aw Milis Grand Total aval Stores Backsmith Shops rist Milis		*		8	8,550 1,150	7,800 2,800	275,956 277,956	\$ 197,927 197,927	10,815	169,695			[******
inist Mills inval Stores illaeksmith Repair Shops aw Mills Grand Total Grand Stores incksmith Shops irist Mills aw Mills aw Mills rick Manufactoring		************		8	8,550 1,150 352,745 5,60	7,800 2,800 5,600 5,800 5,800 8,000	275,956 275,956	\$ 197,927 197,927	10,815	169,695				
rist Milla faval Stores lineksmith Repair Shops faw Mills		\$		\$	8,550 1,150 352,545 3,660 2,000	7,900 2,800 5,800 5,800 8,000	275,956 275,956	\$ 197.927 197.927	10,815	169,695				